

THE AMERICAN BIRLEMAN



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 **POLICE MATCH**
HOLDERS OF NEW WORLD'S RECORDS

FROM THE MAY, 1938
AMERICAN RIFLEMAN
ADVERTISEMENT

AND HERE'S WHAT HAPPENED - - -

LOOK AT THESE RECORDS!

POLICE MATCH .38's & .45's

DETROIT, MICH.—Michigan State Police Matches

Individual .38 Calibre Slow Fire Match—Won by A. Hemming, Detroit Police, 180 x 200 with Police Match .38's. 2nd, 3rd, and 4th places were taken by LaLonde, Driver and Sanderson—all of the Detroit Police Team, all shooting Police Match.

Individual .38 Calibre Rapid Fire Match—Won by A. Hemming, 195 x 200 with Police Match. H. Rieves, Detroit Police, took second, 194 x 200, with Police Match.

Michigan State Individual Nat'l Match .38 cal.—1st, A. Hemming (281 x 300); 2nd, H. Rieves (279 x 300); 3rd, Sanderson (279 x 300). All shot Police Match.

Michigan State Individual .45 Cal. Nat'l Match—1st, H. Rieves (277 x 300); 2nd, A. Shapiro (274 x 300); 3rd, M. Driver (270 x 300); 4th, Sanderson (264 x 300)—all with Police Match.

.38 Calibre Four-Man Team Match—Won by the Detroit Police Team, 1117 x 1200, with Police Match.

.45 Calibre Five-Man Team Match—Won by the Detroit Police Team with Police Match. Their score was 1350 x 1500—A NEW MICHIGAN STATE RECORD.

PHILADELPHIA, PA.—Second International Police Pistol Tournament

Five-Man Team Championship—Won by the New York City Police Team, 1488 x 1500, with Police Match.

Individual Match—Won by A. Sackett, New York, 299 x 300, with Police Match. N. Sully, New Jersey State Police, took third with a score of 296 x 300, shooting Police Match.

EL PASO, TEXAS—City Marshals and Chiefs of Police Union of Texas

Match of the Champions—Won by Chas. Askins, Jr., 284 x 300, shooting Police Match. R. F. Tate, shooting Peters, took 3rd with 278 x 300.

El Paso Police Rapid Fire Match—Dallas Police Team won the State Team Championship with 3375, shooting Police Match.

TARGET .22's

FT. ETHAN ALLEN, VT.—Vermont State Pistol Matches

Individual 20 Shots Slow Fire 50 Yds.—Won by Don L. Robinson, 175 x 200, with Peters Target .22's.

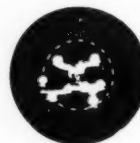
Individual 20 Shots Time Fire 25 Yds.—Won by Robert C. Lance, Montpelier, Vt., 192 x 200, with Peters Target .22's.

Individual 20 Shots Rapid Fire 25 Yds.—Won by Robert C. Lance, 191 x 200, with Peters Target .22's.

Camp Perry Course—Won by Victor Hewitt, 274, with Peters Target .22's. Leo Shortsleeves took 3rd, 270, with Peters Target .22's.

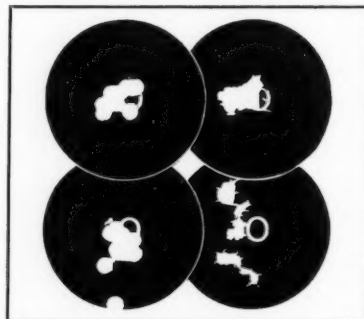
EL PASO, TEXAS

Texas Ladies' .22 Calibre Championship Match—Won by Mrs. W. W. Chambers, 180 x 200. Second, Mrs. J. L. McCarter, 179 x 200. Both shot Peters Target .22's.



ATLANTA, GA.—In the regular weekly shoot at the "30 Acres" Rifle Range, Mr. Carl Jackson, shooting at 100 yards, made 200 x 200 plus 19 X's as shown by the targets above. Notice the perfect elevation. He used Peters Target .22's.

MACHINE REST TESTS



Routine tests, all part of the day's work, prove the higher-accuracy of Peters Police Match ammunition. No resorting to freak targets. These are "run-of-mine" targets. The first column shows 10 shots at 25 and 50 yds. with .38 Spec 146 gr. W. C. Second column: 10 shots at 25 and 50 yds. with .45 Auto. Notice that all shots are well within the 10 ring—giving the marksman a comfortable margin for the personal equation.

**.45 TARGET
PRACTICE AT
1/7th the Cost!**

COLT PRESENTS AN INGENUOUS AUTOMATIC PISTOL . . .
THE NEW SERVICE MODEL ACE
Caliber .22 Long Rifle . . . with FLOATING CHAMBER
A .22 with 4 times the ordinary kick

**DUPLICATES IN SIZE, SHAPE, BALANCE AND FEEL, THE
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Except for difference in caliber, the new SERVICE MODEL ACE and the Government Model .45 are practically twins. They are so near alike that you can switch from one to the other and hardly notice the difference. The Service Ace saves REAL money and pays for itself in a very short time. It provides accurate, economical target shooting for Service men — members of National Guard, Reserve Officers, and individual shooters of the .45 Caliber Automatic Pistol . . . at one-seventh the cost of .45 automatic cartridges. A feature of the Service Ace is its ingenious floating chamber which amplifies the ordinary recoil of a .22 four times, and provides positive functioning under all conditions. According to Colonel J. S. Hatcher in his article in the June American Rifleman magazine, "the floating chamber practically quadruples the recoil power of the .22 long rifle cartridge, producing a recoil that sufficiently simulates the action of the .45 so that the gun must be re-aligned on the target after each shot, thus making it possible to obtain extremely effective rapid fire practice. Also it gives sufficient reserve power to insure certainty of functioning, even with old or inferior ammunition. The Service Model Ace offers a most effective method of training for proficiency with the Service pistol, and such an economical one that the amount saved on ammunition in just a few days' practice will pay for the gun."

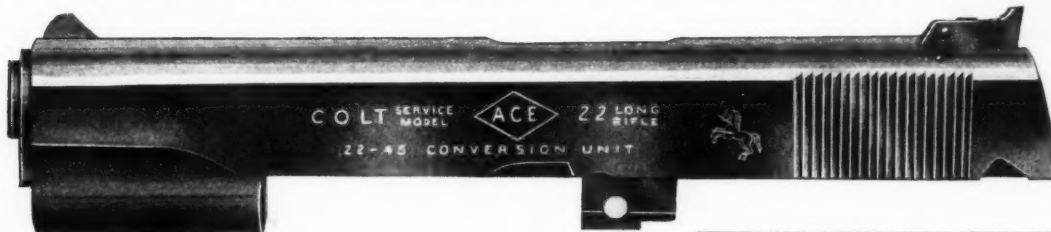
SPECIFICATIONS

Ammunition .22 Long Rifle, Regular or High Speed. Magazine capacity 10 cartridges. Length of barrel: 5 in. Length overall: 8 1/4 in. Action: Hand Finished. Weight: 42 ounces. Sights: Fixed ramp front sight. Rear sight adjustable for both elevation and windage. Trigger and Hammer Spur checked.

RETAIL PRICE \$50.00

FLOATING CHAMBER

Amazing New Invention Converts Your COLT .45 into a .22!
COLT .22-.45 Service Model CONVERSION UNIT with FLOATING CHAMBER



HERE'S something really NEW . . . a unit that converts your Gov't. Model Colt .45 into a .22 caliber automatic pistol . . . speedily and without use of tools. You can now shoot your service arm at 1/7th the cost of .45 ammunition . . . thus allowing you hours of additional target practice at small cost.

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If you own a .45 caliber Automatic Pistol, you can now enjoy either .22 or .45 shooting by interchanging your parts with the New .22-.45 Conversion Unit. It will save its price in ammunition costs in almost no time . . . and you'll enjoy the thrill of .22 shooting that gives you a real "kick." Retail Price \$34.00. Send for detailed information.

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UNIT QUICKLY INSTALLED ON GOVERNMENT .45

FLOATING CHAMBER STEPS UP ORDINARY RECOIL 4 TIMES

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**HANDSOME STERLING SILVER
COLT GOV. MODEL .45 PIN**

A gun for your lapel. Exact scale reproduction of Colt's famous Government Model .45 Automatic. Sterling silver. Sent postpaid 25c.

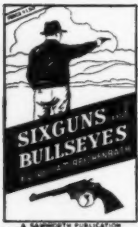
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☐ COLT .22-.45 Conversion Unit

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NATIONAL RIFLE ASSOCIATION
Barr Building, Washington, D. C.

THE AMERICAN RIFLEMAN

COMING

PERHAPS no hunter-rifleman in this country is better qualified to write on the subject of Binoculars than is Monroe Goode, of Dallas, Texas. Raised, almost, in the saddle with a rifle in his hand, Mr. Goode has been a user of binoculars, as well as a student of them. He recently sent us an article giving the latest information on present-day prismatic binoculars. The article is of necessity somewhat long, and will run in two parts. The first part is scheduled for publication in an early issue.

Also scheduled for an early issue is an article by Joseph A. Milner, on the fine points of offhand rifle shooting. In this article Mr. Milner goes into the subject thoroughly, and takes up various little details which on the surface may seem unimportant but which often spell the difference between success and failure.

And by the way, our September schedule is a rather difficult one for the printer because of the way week-ends and holidays fall, and in consequence the September issue may be a few days late. We kindly ask your indulgence in the matter.

VOLUME 86

AUGUST 1938

NUMBER 8

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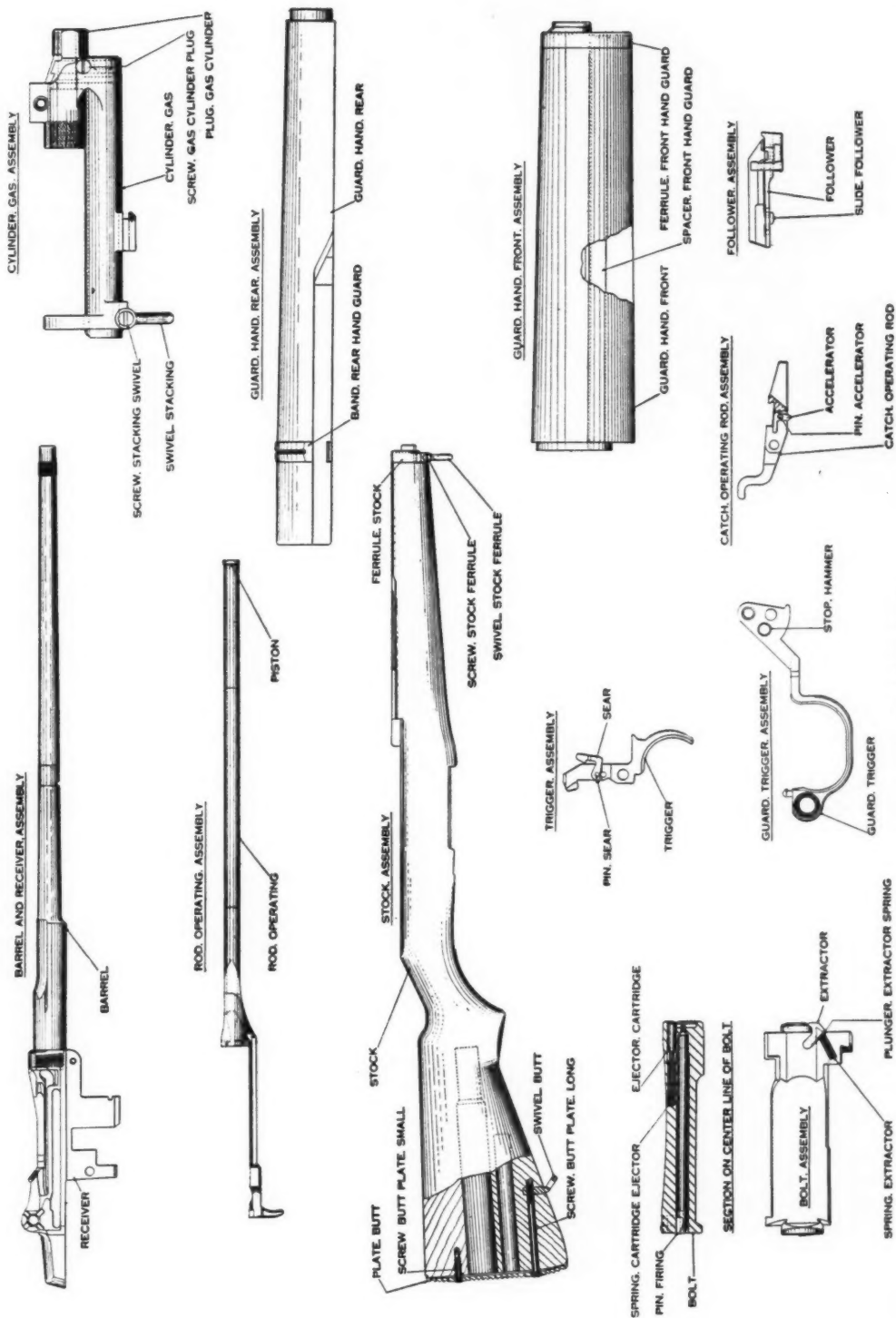
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PUBLISHED BY THE NATIONAL RIFLE ASSOCIATION OF AMERICA

OFFICERS OF THE ASSOCIATION: GUSTAVUS D. POPE, President; LT.-COL. L. W. T. WALLER, JR., First Vice-President; LT.-COL. N. C. NASH, JR., Second Vice-President; MAJ.-GEN. M. A. RECKORD, Executive Vice-President; C. B. LISTER, Sec'y-Treas. and Managing Editor, THE AMERICAN RIFLEMAN. STAFF OF THE ASSOCIATION: L. J. HATHAWAY, Editor, THE AMERICAN RIFLEMAN; F. C. NESS, Associate Editor and Technical Division; W. F. SHADEL, Associate Editor and Public Relations; F. A. MOULTON, Advertising Manager; H. H. GOEBEL, Club Service and Junior Division; L. Q. BRADLEY, Membership and Circulation; F. M. HAKENJOS, Extension; F. L. WYMAN, Competitions

Published monthly by the National Rifle Association of America, Barr Building, Washington, D. C. Domestic rates, including North, South and Central America, \$3.00 a year; \$5.00 for two years; elsewhere, \$3.60 a year; \$6.50 for two years. Entered as second-class matter, April 1, 1908, at the Post Office at Washington, D. C., under Act of March 3, 1879. Copyright, 1938, by the National Rifle Association of America. Thirty days' notice required for change of address. Unless otherwise requested, new subscriptions are entered to begin with the issue following the month in which subscription is received.



DESIGNED BY THE BELL & HOWELL COMPANY
 OFFICE OF THE DIRECTOR OF THE ARMY
 WASHINGTON, D. C.



In this view of the Garand rifle, note particularly the simple, rugged, well-placed rear sight

prescribed weight limit and would also reduce the load of the individual soldier due to the lighter weight of the cartridge. Of the several rifles in this caliber submitted for test, two were outstanding: the Pedersen, designed and developed by Mr. John D. Pedersen; and the Garand, designed and developed by Mr. John C. Garand. Both Mr. Pedersen and Mr. Garand carried on their development work at the Springfield Armory.

A number of each of these types were manufactured and submitted to the services for test. Both rifles performed very well. However, to adopt a weapon of this caliber involved further complication of the supply problem by the introduction of another type of ammunition.

In the meantime, Mr. Garand, who has been in the employ of the Ordnance Department at the Springfield Armory for the past eighteen years as a designer of automatic weapons, completed a test model of a semi-automatic rifle designed to function with either the Caliber .30, Model 1906, or the caliber .30, M1, service cartridge. This rifle appeared so promising in its preliminary tests that decision to adopt the caliber .276 was held in abeyance. The results of continued tests of the caliber .30 weapon were so excellent that the caliber .276 project was abandoned altogether and the caliber .30 weapon as developed by Mr. Garand was adopted as the standard shoulder weapon of our Army. This action was taken in January, 1936.

Before such an important step was taken the rifle was required to meet satisfactorily the most rigid tests, not only at the Springfield Armory and the Aberdeen Proving Ground, but in the hands of troops under all conditions likely to be encountered in the service. These tests, of course, consumed considerable time, but since, as was recently stated by the Chief of Infantry in an article in the *Infantry Journal*, "the whole structure of the military organization still rests on the Atlas shoulder of the doughboy in the mud," it was most important that the rifle to supersede the foremost military rifle be proven beyond question to be its equal as to reliability and accuracy under all conditions.

Many advantages result from the use of a semi-automatic shoulder weapon, the principal ones being: greater accuracy in rapid fire due to the elimination of the distraction of having to operate the bolt by hand; a greater volume of fire per minute per man; more effective fire against low-flying aircraft; and a decrease in time required to instruct new men in marksmanship.

The new rifle, with which our troops are to be equipped, is officially known as the "U. S. Rifle, Caliber .30, M1," and popularly as the "Garand Semi-Automatic Rifle." It is of the gas-operated type and employs an en-bloc type of clip holding eight rounds. It varies somewhat from the conventional type of gas-operated weapon in that there is no hole drilled in the barrel for taking off gas to operate the mechanism. Instead, the muzzle of the barrel is provided with a sleeve, and while the bullet is passing through this sleeve and just as the base clears the muzzle, a small amount of gas is diverted through a port at the muzzle into a cylinder where it impinges upon the piston of the operating rod, driving it to the rear. The location of the port at the muzzle rather than at some point nearer the breech permits the use of gas at a lower pressure, thereby decreasing the stresses on the operating parts of the rifle.

The operating rod extends underneath the barrel from the muzzle to the bolt. A recess is provided in the rod which engages a lug on the bolt just to the rear of the front end of the bolt. This recess and the lug on the bolt have cam surfaces so arranged that as the operating rod moves to the rear, the bolt is first rotated in the same manner as the bolt in the Springfield rifle, until the locking lugs clear the locking recesses in the receiver. After this rotation movement is completed the bolt is carried to the rear by the operating rod. During this movement the operating-rod springs are compressed, the fired case extracted and ejected, and the firing mechanism cocked. When the bolt has reached its rearward position it is immediately carried forward to the firing position by the operating rod acting under the impulse of the operating-rod springs. During this forward movement of the bolt the top cartridge in the clip is

carried forward into the chamber. This completes the cycle. When the last cartridge in the clip has been fired the clip is automatically ejected and the bolt remains in the open position. As another clip is inserted in the magazine, the bolt moves forward, feeding the topmost round from the clip into the chamber. The firing pin is arranged in the bolt so that it cannot protrude through the firing pin hole until the bolt is fully forward and rotated into its locked position. A manually operated safety is built into the front of the trigger guard which disengages the hammer from the sear when in the "safe" position.

The rifle functions equally satisfactorily with the Caliber .30, M1 Ammunition, and the Caliber .30, M1906 Ammunition. Ammunition may be loaded into the clips either at the factory or in the field, using a special loading machine, or in an emergency may be loaded into the clip by hand. There are two staggered rows of four rounds in each clip, and it is immaterial whether the topmost round in the clip is on the right or left. The clip can be inserted into the rifle either side up.

The rifle has seventy-two component parts, which include springs, pins and screws; weighs about nine pounds; is forty-three inches overall in length; has a pistol-grip type stock; and provision is made for attaching a bayonet.

The rear sight is mounted on the receiver as close to the eye as possible and is of the aperture type, the diameter of the aperture being seven-hundredths of an inch. The front sight is of the blade type protected by guards similar to those on the U. S. Rifle, Caliber .30, M1917.

The rear sight is operated in elevation by means of a knob on the left side of the receiver. Range graduations are engraved on the periphery of the knob in one hundred yard increments up to 1200 yards. Between each hundred yard graduation mark adjustment can be made in 25 yard steps, one click being equal to 25 yards. Windage adjustments are made by means of a knob on the right side of the receiver directly opposite the range knob.

The amount of care required to be given this weapon by the individual soldier is no greater than in the case of the Springfield. Disassembly for cleaning is simplicity itself, as is the replacement of any parts which may fail. No tools of any kind are required for such disassembly as is normally required in the field for cleaning and replacement of parts. After approximately every one thousand rounds, the gas cylinder plug should be removed and the carbon scraped from the plug. No tools are required for this operation other than a small screwdriver which is provided as a part of the combination tool issued.

In all of the comparative tests which have been made by the services between the Garand and the Springfield, the Garand has come out on top. These have included accuracy, combat and anti-aircraft firings with expert, partially trained, and untrained men. These tests have shown that the fire power of one semi-automatic rifle for short periods is equal to about five single shot rifles.

Each rifle manufactured is tested at the manufacturing establishment for functioning and for accuracy, the accuracy tests being made at a range of one hundred yards, using a machine rest. The average size of the groups of all rifles so far produced has been one and three-quarter inches extreme spread. This is better than the accuracy of the average service rifle and compares favorably with the National Match Rifle.

Rifles are selected from production from time to time and subjected to extensive endurance tests. There have been remarkably few malfunctions or failures of parts in these tests. From the records kept during these tests it has been determined that the serviceable life of some of the major

components, such as the bolt and receiver, is well in excess of one hundred thousand rounds. The life of the barrel for average firing is from 8000 to 10,000 rounds.

The rate of fire which can be attained is, of course, dependent to some extent upon the dexterity of the firer. The number of aimed shots at 200 yards for the average rifleman is approximately fifty per minute. The maximum for highly trained riflemen is approximately eighty per minute at this range, and at very close ranges, around fifty yards, a total of one hundred aimed shots are known to have been fired by an expert. Of course, such high rates of fire are not contemplated except in emergencies and they cannot be maintained over any considerable period of time, due to the overheating. An average rate of fire of around thirty shots per minute can, however, be maintained almost continuously without difficulty.

The question naturally arises among those familiar with the "kick" of the Springfield, as to the fatiguing effect of firing the new rifle. Although comparative tests between the Springfield and the Garand only show from ten to fifteen per cent less energy of free recoil, there is a noticeable difference in "kick" felt by the individual, which is due to the difference in time of application of the force of recoil. The result is a marked decrease in fatigue from firing. In some of the Armory tests individuals have fired from the shoulder as many as six hundred rounds continuously at a rate of about thirty shots per minute without becoming unduly fatigued. Such an amount of firing in the same period with the Springfield would be next to impossible.

Production of this new rifle is now in progress at Springfield Armory and the difficulties encountered in adapting it to mass production have been no greater than could be expected with any new automatic weapon. None have been encountered that have not been successfully overcome. Production facilities have been provided to the extent of funds which have been made available for that purpose.

The first production models were completed and delivered to troops in August, 1937. Since that time a small but constant monthly production, limited by the equipment available, has been maintained.

The total number of rifles for which funds have been provided to June 30, 1938, is approximately 7500, and it is expected to complete the delivery of these during the current calendar year. For the fiscal year beginning July 1, 1938, funds have been provided for the manufacture of an additional quantity of rifles, and funds have also been provided to greatly increase the equipment, such as new and more modern machines, tools, jigs, fixtures and gages, required in the production of this weapon. These additional facilities will permit a much greater daily production rate than is now available.

In the meantime, the rifles which have been delivered to troops continue to give excellent service. Every organization so far equipped has submitted enthusiastic reports of their performance under all conditions which have been encountered. Demands for this rifle to replace the Springfield are increasing tremendously as its superiority is realized from actual experience with it. This undoubtedly will result in greatly increased yearly appropriations for the production of larger quantities. Even so, it will take several years to complete the rearming of the Regular Army and the National Guard, and as priority will undoubtedly be given to equipping these organizations, it will probably be many years before any of these rifles will become available for other purposes.

NOTE: The present Springfield rifle will probably not be declared obsolete and sold at a reduced price for some years to come.—ED.

SENATE 3

(Public Act 785)

By M. A. RECKORD

AFTER FOUR LONG and arduous years, Senate 3, the Federal Firearms Act, Public Act 785, has now been enacted by the Congress and signed by the President and on June 30th last became law. It becomes effective on July 30th.

Senate 3 actually passed the Congress only a few hours before adjournment. Even at that time Senator Royal S. Copeland, the father of this piece of legislation, was prevented from being present at the final vote because of illness, and the following day he was claimed by death.

Too much credit cannot be given Senator Copeland for his arduous labors in connection with the enactment of reasonable firearms legislation over a period of at least four years. His approach to the problem in the first instance was not in line with the thought of many sportsmen and gun lovers, but he early saw the error of his way and amended his bill in many particulars and finally presented to the Senate of the United States a bill, the provisions of which will in no wise interfere with the honest citizen but which make it illegal for a member of the underworld or a person fleeing from justice to possess a weapon of any character.

Because of the importance of this legislation and in order that our readers may be familiar with the provisions of the Act, it is herewith printed in full.

SENATE BILL NO. 3

*As finally passed and signed by the President,
June 30, 1938.*

AN ACT

To regulate commerce in firearms.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That as used in this Act—

(1) The term "person" includes an individual, partnership, association, or corporation.

(2) The term "interstate or foreign commerce" means commerce between any State, Territory, or possession (including the Philippine Islands but not including the Canal Zone), or the District of Columbia, and any place outside thereof; or between points within the same State, Territory, or possession (including the Philippine Islands, but not including the Canal Zone), or the District of Columbia, but through any place outside thereof; or within any Territory or possession or the District of Columbia.

(3) The term "firearm" means any weapon, by whatever name known, which is designed to expel a projectile or projectiles by the action of an explosive and a firearm muffler or firearm silencer, or any part or parts of such weapon.

(4) The term "manufacturer" means any person engaged in the manufacture or importation of firearms, or ammunition or cartridge cases, primers, bullets, or propellant powder for purposes of sale or distribution; and the term "licensed manufacturer" means any such person licensed under the provisions of this Act.

(5) The term "dealer" means any person engaged in the business of selling firearms or ammunition or cartridge cases, primers, bullets or propellant powder, at wholesale or retail, or any person engaged in the business of repairing such firearms or of manufacturing or fitting special barrels, stocks, trigger mechanisms, or breech mechanisms to firearms, and the term "licensed dealer" means any such person licensed under the provisions of this Act.

(6) The term "crime of violence" means murder, manslaughter, rape, mayhem, kidnaping, burglary, housebreaking; assault with intent to kill, commit rape, or rob; assault with a dangerous weapon, or assault with intent to commit any offense punishable by imprisonment for more than one year.

(7) The term "fugitive from justice" means any person who has fled from any State, Territory, the District of Columbia, or possession of the United States to avoid prosecution for a crime of violence or to avoid giving testimony in any criminal proceedings.

(8) The term "ammunition" shall include all pistol or revolver ammunition except .22-caliber rimfire ammunition.

Sec. 2. (a) It shall be unlawful for any manufacturer or dealer, except a manufacturer or dealer having a license issued under the provisions of this Act, to transport, ship, or receive any firearm or ammunition in interstate or foreign commerce.

(b) It shall be unlawful for any person to receive any firearm or ammunition transported or shipped in interstate or foreign commerce in violation of subdivision (a) of this section, knowing or having reasonable cause to believe such firearms or ammunition to have been transported or shipped in violation of subdivision (a) of this section.

(c) It shall be unlawful for any licensed manufacturer or dealer to transport or ship any firearm in interstate or foreign commerce to any person other than a licensed manufacturer or dealer in any State the laws of which require that a license be obtained for the purchase of such firearm, unless such license is exhibited to such manufacturer or dealer by the prospective purchaser.

(d) It shall be unlawful for any person to ship, transport, or cause to be shipped or transported in interstate or foreign commerce any firearm or ammunition to any person knowing or having reasonable cause to believe that such person is under indictment or has been convicted in any court of the United States, the several States, Territories, possessions (including the Philippine Islands), or the District of Columbia of a crime of violence or is a fugitive from justice.

(e) It shall be unlawful for any person who is under indictment or who has been convicted of a crime of violence or who is a fugitive from justice to ship, transport, or cause to be shipped or transported in interstate or foreign commerce any firearm or ammunition.

(f) It shall be unlawful for any person who has been convicted of a crime of violence or is a fugitive from justice to receive any firearm or ammunition which has been shipped or transported in interstate or foreign commerce, and the possession of a firearm or ammunition by any such person shall be presumptive evidence that such firearm or ammunition was shipped or transported or received, as the case may be, by such person in violation of this Act.

(g) It shall be unlawful for any person to transport or ship or cause to be transported or shipped in interstate or foreign commerce any stolen firearm or ammunition, knowing, or having reasonable cause to believe, same to have been stolen.

(h) It shall be unlawful for any person to receive, conceal, store, barter, sell, or dispose of any firearm or ammunition or to pledge or accept as security for a loan any firearm or ammunition moving in or which is a part of interstate or foreign commerce, and which while so moving or constituting such part has been stolen, knowing, or having reasonable cause to believe the same to have been stolen.

(i) It shall be unlawful for any person to transport, ship, or knowingly receive in interstate or foreign commerce any firearm from which the manufacturer's serial number has been removed, obliterated, or altered, and the possession of any such firearm shall be presumptive evidence that such firearm was transported, shipped, or received, as the case may be, by the possessor in violation of this Act.

Sec. 3. (a) Any manufacturer or dealer desiring a license to transport, ship, or receive firearms or ammunition in interstate or foreign commerce shall make application to the Secretary of the Treasury, who shall prescribe by rules and regulations the information to be contained in such application. The applicant shall, if a manufacturer, pay a fee of \$25 per annum and, if a dealer, shall pay a fee of \$1 per annum.

(b) Upon payment of the prescribed fee, the Secretary of the Treasury shall issue to such applicant a license which shall entitle the licensee to transport, ship, and receive firearms and ammunition in interstate and foreign commerce unless and until the license is suspended or revoked in accordance with the provisions of this Act: Provided, That no license shall be issued to any applicant within two years after the revocation of a previous license.

(c) Whenever any licensee is convicted of a violation of any of the provisions of this Act, it shall be the duty of the clerk of the court to notify the Secretary of the Treasury within forty-eight hours after such conviction and said Secretary shall revoke such license: Provided, That in the case of appeal from such conviction the licensee may furnish a bond in the amount of \$1,000, and upon receipt of such bond acceptable to the Secretary of the Treasury he may permit the licensee to continue business during the period of the appeal, or should the licensee

refuse or neglect to furnish such bond, the Secretary of the Treasury shall suspend such license until he is notified by the clerk of the court of last appeal as to the final disposition of the case.

(d) Licensed dealers shall maintain such permanent records of importation, shipment, and other disposal of firearms and ammunition as the Secretary of the Treasury shall prescribe.

Sec. 4. The provisions of this Act shall not apply with respect to the transportation, shipment, receipt, or importation of any firearm, or ammunition, sold or shipped to, or issued for the use of, (1) the United States or any department, independent establishment, or agency thereof; (2) any State, Territory, or possession, or the District of Columbia, or any department, independent establishment, agency, or any political subdivision thereof; (3) any duly commissioned officer or agent of the United States, a State, Territory, or possession, or the District of Columbia, or any political subdivision thereof; (4) or to any bank, public carrier, express, or armored-truck company organized and operating in good faith for the transportation of money and valuables; (5) or to any research laboratory designated by the Secretary of the Treasury: Provided, That such bank, public carriers, express, and armored-truck companies are granted exemption by the Secretary of the Treasury; nor to the transportation, shipment or receipt of any antique or unserviceable firearms, or ammunition, possessed and held as curios or museum pieces: Provided, That nothing herein contained shall be construed to prevent shipments of firearms and ammunition to institutions, organizations, or persons to whom such firearms and ammunition may be lawfully delivered by the Secretary of War, nor to prevent the transportation of such firearms and ammunition so delivered by their lawful possessors while they are engaged in military training or in competitions.

Sec. 5. Any person violating any of the provisions of this Act or any rules and regulations promulgated hereunder, or who makes any statement in applying for the license or exemption provided for in this Act, knowing such statement to be false, shall, upon conviction thereof, be fined not more than \$2,000, or imprisonment for not more than five years, or both.

Sec. 6. This Act shall take effect thirty days after its enactment.

Sec. 7. The Secretary of the Treasury may prescribe such rules and regulations as he deems necessary to carry out the provisions of this Act.

Sec. 8. Should any section or subsection of this Act be declared unconstitutional, the remaining portion of the Act shall remain in full force and effect.

Sec. 9. This Act may be cited as the Federal Firearms Act.

Signed by the President, June 30, 1938.

It will be noted from a careful reading of the above Law that an attempt has been made to control the possession of firearms by members of the underworld, by prohibiting the use of the facilities of interstate commerce for the shipment of firearms by, to or on behalf of *any person under indictment or who has been convicted of a crime of violence or is a fugitive from justice.*

The new law also provides for the licensing of manufacturers and dealers who ship or receive firearms or ammunition in interstate or foreign commerce. The annual license fee of twenty-five dollars for manufacturers and one dollar for dealers is payable to the Secretary of the Treasury.

The law also prohibits the shipment by licensed manufacturers and dealers of firearms to any persons in any state requiring a license for the purchase of a firearm without first having the prospective purchaser exhibit the license to the manufacturer or dealer.

The law places upon everyone the responsibility of knowing the standing of the individual to whom a gun is sold. Section 2-d reads as follows: "It shall be unlawful for any person to ship, transport or cause to be shipped or transported in interstate or foreign commerce any firearm or ammunition to any person, knowing or having reasonable cause to believe that such person is under indictment or has been convicted in any court of the United States, the several States, Territories, possessions (including the Philippine Islands), or the District of Columbia of a crime of violence or is a fugitive from justice."

The sale by individuals is not restricted except as indicated above to the effect that the responsibility of the purchaser must be known to the seller.

A study of the provisions of Senate 3 will indicate that the approach to the problem we are trying to solve is dia-

metrically opposite to that presented in the proposal of Mr. Cummings for the registration of firearms. It is a fact that the Federal Government has no police power. That power is vested in the several states. The approach made by the Attorney General therefore is what may be termed a subterfuge, in that guns were to be taxed, while this writer believes the problem should be approached directly, as has been done in Senate 3.

The registration of a firearm by the Federal Government would not prevent a smart crook or racketeer from registering his gun. He would then be within the purview of the Federal Law. But with Senate 3 enacted, the entire picture is changed. The honest citizen goes about his hunting, his target shooting and in fact the possession of his weapon unmolested, but the crook and racketeer, wherever found, may be picked up and convicted for possession of a firearm of any kind.

This writer has been at a loss for many years to understand why those in authority in the Department of Justice refuse to approach the problem from what has appeared to me to be a reasonable point of view, but they have refused, and up until the very last moment gave no assistance whatever in the enactment of this piece of legislation upon which Senator Copeland and his Crimes Commission had given so much study and so much effort.

The Federal registration of a firearm could in no wise give the owner the right to possess that gun in a state where the state law did not give the individual such a privilege. Federal registration would not permit a citizen of Connecticut to carry his registered gun legally across the State of New York, for the very simple reason that under the Sullivan Act in order to carry a gun across New York State an individual is required to have a license issued by New York State, and such a New York State license cannot be issued to an individual not a citizen of that state.

And why should the honest citizen be required to register? The question has been asked repeatedly and no satisfactory answer has yet been given. Under the provisions of Senate 3, a Federal officer or a state officer working with the Department of Justice can now take into custody any known underworld character, anyone fleeing from justice or anyone under indictment or who has been convicted of a crime of violence, if found in possession of any type of firearm. The classes enumerated, and only those classes, are inconvenienced. They are the so-called "outcasts of society," and they should not be permitted to possess weapons of any kind. As stated above, the gun in the hands of the honest citizen is not the gun that does the damage. Why, then, should the honest citizen be circumscribed by a Federal act unnecessarily? Our position has been that the honest citizen should not be unnecessarily interfered with, and I am indeed grateful, and the sportsmen of this country should be appreciative of the fact, that the members of Congress who gave thought and study to this subject stood with Senator Copeland and with us in our effort to secure the enactment of what must be considered by all honest men as a reasonable piece of legislation.

The writer has for the past four years worked in close cooperation with Senator Copeland in an effort to secure legislation which would give the Department of Justice reasonable authority in coping with the problem of firearms in the hands of the underworld throughout the nation.

It is believed that the enactment of Senate 3 as the Federal Firearms Act places in the hands of the Department of Justice and its F. B. I. agents the final legal weapon needed by that Department of our Government with which to successfully cope with the underworld use of firearms.

BRINGING PERRY TO YOU

Matches to be Broadcast

IF YOU CAN'T go to Perry, we can bring Perry to you, provided, of course, we have your cooperation.

Radio Station WLW, Cincinnati, Ohio, "The nation's station," with the greatest power of any station in the country, will again broadcast some phases of the National Matches direct from the Camp Perry firing line. While at this early date plans are incomplete, Herb Flaig, Director of Special Events for WLW, in a letter to the N. R. A. says: "We would be very happy to broadcast this feature on WLW and also offer it to the Mutual Broadcasting System." And the Mutual officials in New York have indicated their interest in the matches, and at the time of going to press, are awaiting complete details as to the originating station's plans and schedule. These details will be carried in the various radio time tables, in Mutual's announcements and in N. R. A. Releases. They will also be carried in the September RIFLEMAN, but that will reach you only a few days before the broadcast is to be made.

Mutual's Broadcast of Ritchie Popular

The first large chain broadcast of one of our tournaments, over the coast-to-coast network of the Mutual Broadcasting System, proved a popular feature for the Fourth of July radio audience. Favorable comments from station managers and from listeners in various sections of the country have been coming into this office and into the offices of the Mutual System on this type of program. Much credit is due the Mutual officials for their interest in arranging such a feature as a part of their effort to give coverage to events in the sports world in which, for the moment, the Eastern Camp Ritchie matches held the spotlight.

A. V. Tidmore and Bob Longstreet, Manager and Program Director, respectively, of WFMD in Frederick, Md., arranged for the pickup of the matches and made this program available to Mutual's Chain. With Longstreet at the microphone a running account of the .45 caliber pistol match, the final match of the program, was effectively provided the listeners. The national match broadcast should be equally as interesting and of even wider coverage. Tentative plans include the broadcast of several of the feature rifle and pistol events.

Now we mentioned at the outset the need of your cooperation, and here is where you can play an important part in insuring the wide coverage due these matches, and incidentally your listening in on the broadcast. The choice of a program on a network for the individual station is, in

most cases, left entirely in the hands of the local station management. Especially is this true in the case of a non-commercial program. A station manager would be glad to schedule the program and plug in on the lines running from the System with which it is affiliated, provided he knows of an interest in his community in such a feature. A telephone call or a letter from you to your local Mutual station regarding the scheduling of the match would indicate listener interest. By your interest in the local station's program, and with WLW and the Mutual System going to no end of expense to put this feature on the air and on the connecting lines to the 72 affiliated stations, we are sure of making good our promise, to "bring Perry to you."

Newspaper Reports

More important than anything else as regards Camp Perry News, is the coverage given this event by the newspapers of the country. A Camp Perry press staff is being organized which should be able to get this news out in ready fashion. But again we need your help.

If you are not planning on attending the matches **you should make your desire for reports on the matches known to your local newspapers.** In many cases the editor is unaware of the interest attached to a story bearing a Camp Perry date line. As these stories come in off the wire he might give only slight attention and little space to them or disregard them entirely. However, if he knows of an interest on the part of his readers; if he knows that this particular sport has many enthusiasts in his community, he dare not disregard their interests. And furthermore, **if you are planning on attending the matches, this fact should be made known to the editors,** because they then have a specific local interest in the "local boy angle" every editor is anxious to carry. Club secretaries should use this as the lead for a news story on Perry, which may be turned also to publicizing local activities of the club as they serve as build-ups and tryouts for the grand finale of shooting competition August 21-September 10.

There is one thing further we would like to ask of you. The expense of a clipping service to keep in touch with the use being made of our releases in papers all over the country is almost prohibitive. We would appreciate it very much if our members would send us the write-ups appearing in their local papers, on Camp Perry in particular but also our releases bearing a Washington date line. But by all means make your wants known to your editors regarding Camp Perry News.

A. V. Tidmore of WFMD, getting equipment set up for Camp Ritchie broadcast



WLW's Mobile Unit on Camp Perry's firing line. This same unit will "feed" the coast-to-coast network this year



MINIATURE PERRY *of* THE PLAINS

By A TYRO PLAINSMAN

EIGHTEEN YEARS AGO a young Army officer went to Camp Perry for the first time as a member of the Infantry Rifle Team. Like many another National Match shooter, before and since, this young officer was impressed by the efficient conduct of the big shoot. Returning to his post, he resolved to utilize the experience gained by organizing and conducting a shooting tournament modeled after Camp Perry.

That was back in 1920. The officer was Captain H. E. Fuller, of the Infantry Rifle Team. But not until this year did Captain Fuller—now a Major—realize his ambition. Early this year he was transferred to Fort Francis E. Warren, at Cheyenne, Wyoming. Subsequently Major Fuller was named Plans and Training Officer and, as a member of the Commanding General's staff, he was in a position to fulfill that long-cherished dream—namely the organization and conduct of a miniature Camp Perry.

With the approval and backing of General E. D. Peek, Commanding Officer of the post, Major Fuller drew up a tentative program, sent it to nearby rifle clubs and other shooting organizations. At the same time he appointed a trophy committee to contact local business men, selected hand-picked officers to handle the various key jobs, called rehearsal meetings prior to opening date. Nothing was left undone to insure conduct of the shoot on that same high plane which prevails at the National Matches.

And so on July 1st, Ft. Warren was ready for the grand opening—the first Annual Camp Perry of the Plains was under way. The R. O. T. C. Camp, near the main entrance, had been made ready for visiting competitors. This area included floored tents, with "all modern improvements," showers with plenty of hot water, a mess hall where good substantial meals were served at reasonable cost.

For the information of readers unfamiliar with the great plains country, let this tyro plainsman paint you a brief word-picture of facilities and prevailing shooting conditions at the Army's largest combat post. Ft. Warren, you know, is the Army post of "magnificent distances." From the competitors' area above described you see the various ranges out on the plains, just as you see the Rockies rising in the background some fifty miles away. You also see the many buildings, dormitories and officers' quarters nestled among beautiful shade trees—and you ask yourself if you are seeing double because trees in the plains country are a conspicuous luxury indeed.

Situated on the edge of the high and dry Western plateau at an altitude of some 6200 feet, the constantly changing shooting conditions here offer a challenge to wind-doping and temperature-reading marksmen. Apparently perfect weather prevailed throughout the four days, yet many old-timers whom I have seen year after year at Camp Perry and who were present at this match are still wondering why they missed or nearly missed the target at 1000 yards. And so am I, for as stated, the weather was "apparently perfect."

With a schedule of .30 caliber, small-bore and handgun matches modeled after the Camp Perry program—and more than a hundred shooters from this thinly-populated area on hand, the Miniature Perry of the Plains opened on Thursday, July 1st, with plenty of "bangs." By the final date the entry list had jumped to nearly 150, most of the new crop of shooters being small-borers and pistoliers who

came to shoot these events only. Ask any one of them about the Ft. Warren Shoot and the answer will be the same, for every shooter went home convinced that he had attended one of the best-conducted meets of the year. And he had. N. R. A. rules were followed in the conduct of all matches, but only the small-bore program was "Registered."

Not every shooter took home a prize although there appeared sufficient trophies and medals on hand to permit awarding a prize to every man present. Never have I seen a more splendid or generous collection of trophies. But as so often happens, a handful of experts got "hot" and cornered many of the trophies. Outstanding among such winners were W. L. Henderson, of the U. P. Club, and U. S. Border Patrolman L. D. Kenesek, each of whom accounted for a half dozen wins. Kenesek, incidentally, traveled all the way from the Mexican border in Texas to win six of the ten individual pistol events. J. L. Bright, R. J. Harris, A. F. Sarmon and L. F. Markle each captured a pair of important trophies while single events (with trophies) were won by Major H. E. Fuller, J. F. Fletcher, C. H. Howell, M. Murdock, H. M. Hoover, R. L. Griffith, A. L. Meloche, L. D. Parker, and Colonel A. H. Means. The First Infantry at Ft. Warren and the Colorado Rifle Club of Denver were tops in the team events.

Following conclusion of the matches General Peek addressed the shooters and awarded prizes. Seated at the speakers' table were such celebrities as Governor Miller, Mayor Allison, Chief Cahill, Chamber of Commerce President Harry Henderson, and Mr. Clifford Ware, President of the Sportsman's Club of Cheyenne. All of these gentlemen either contributed trophies or had served on the special trophy committee. The General spoke enthusiastically of the future of the Ft. Warren Tournament and gave due credit to Major Fuller and his efficient staff for the splendid job they did. And as the curtain closed on this, the first Miniature Perry of the Plains, my thoughts turned to Camp Perry, Ohio, where another National Match will get under way this month. I wondered how many shooters attending the 1938 Matches will go back home determined to help boost the shooting game, in their localities, just as Captain Fuller resolved to do eighteen years ago.

Display of trophies. Standing, left to right: Maj. H. E. Fuller, Executive Officer; Maj. Lussier, Publicity Officer; Maj. John Reynolds, Recreation Officer; Maj. Clinton Rush, Chief Range Officer



SPECIAL TRIGGERS

A Dope Bag Review

THURMAN RANDLE told me he used in his old "Bacon Gitter" a special trigger which had a release travel of only .002 inch. Gunsmith Wright of Fort Worth, Texas, installed it in the "Old Master's" famous 52 Winchester. Since then we have announced in the Dope Bag two similar trigger mechanisms—one by J. B. Smith, 3219 Adeline Street, Oakland, California, and, more recently, the Thomas-Womack trigger by L. G. Thomas, 1548 Ford Street, Shreveport, Louisiana.

The Smith trigger (center and lower in cut) is shown installed in a 52 Winchester receiver, with the cover-plate of its box removed. It will be noted that two long slots must be cut in the trigger guard so that the long thumb-screw and the trigger may be pushed forward to clear the rifle bolt, when the latter is to be withdrawn from the receiver. It is shown in this forward position.

The three holes visible at the bottom on both sides of the

trigger contain adjusting screws. The rear one is for trigger-point engagement, but we did not need to touch it. The one directly in front of the trigger is for regulating rear clearance or back-lash. This also required no attention. The next one we gave several turns to make the weight of pull legal, and we finally got the pull just over three pounds. Once properly installed this latter screw, or poundage adjustment, is the only one used.

There is a fourth adjusting screw which is also visible at the bottom of the mechanism farther forward and upward. This one regulates the sear points, which when cocked should exert a force of between 16 and 24 ounces upon each other. This will result in a total trigger movement of not over .007-inch maximum. Smith says the minimum trigger travel of ten tried was about .005-inch total, but we know the firing movement is less than .002-inch because we cannot detect any movement while firing it. The average movement for firing is between .001 and .0015-inch.

The screws are all of spring steel, and their heads can be spread for a snug fit if desired. The parts of this compound trigger are large and strong and comparatively simple. They are held to their box container by steel pins which are driven tightly into counter-bored holes, and they cannot loosen. The cover fits snugly and is secured by the six screws as shown in the picture. They are very tight and are removed with difficulty.

We fitted it one evening to Barr's 52 Winchester in my basement, using simple tools such as drills and chisels to cut away interfering wood and metal. The trigger works to perfection and feels somewhat light; even too easy. But it will pick up the official 3-pound weight without fail.

This Smith trigger can be had for any Model 52 Winchester at a retail price of \$25.00. Because of variations in ignition effect of different rifles due to individual differences in striker travel and spring tension, Mr. Smith advises his customers to have the fitting properly done by some good local gunsmith. He requires gunsmiths to standardize on a charge of \$30.00 for the complete job, which is the net cost to the shooter. For the old slow-lock 52-W, a special job of fitting Smith triggers is featured by that well-known barrel-maker, George Titherington, of Stockton, California.

The Thomas-Womack trigger for the 52 Winchester is shown at top of cut. I cannot add much to what I printed in the last Dope Bag, except to repeat that it has worked very satisfactorily since it was installed in the well-equipped shop of its co-designer, Mr. L. G. Thomas. I have not done any adjusting since it was installed by him, as the weight of pull was very nearly right and the movement was imperceptible.

In fact it works much like the Smith trigger already described, and it costs about the same, installed and ready to go. By making a shipping arrangement in advance, the rifle, all ready to go on the firing line, will be returned from Shreveport within 48 hours of the time of its arrival there.

The Thomas-Womack trigger has about the same number of equally strong parts as compared with the Smith trigger. Also, like the Smith it has a very short let-off movement, it is adjustable for weight of pull, and it is shoved forward to release the rifle bolt. Because it is hinged in front and held with a spring, the Thomas-Womack does not require the thumb-screw which is used for holding the Smith trigger.



10 AGGREGATES, 37 OTHER FIRSTS, WITH **WINCHESTER** ...EZXS...



WILLIAM P. SCHWEITZER
First in the Individual Grand Aggregate at Camp Ritchie
First in the Metallic Sights Aggregate at Ritchie

DAVE CARLSON
First in Connecticut State Aggregate
Second in Camp Ritchie Grand Aggregate

MERLE ISRAELSON
First in Grand Aggregate at Tarentum, Pa.
First in Grand Aggregate at Erie, Pa.

FRANK FROHM
First in Pennsylvania State Grand Aggregate
First in the Dewar Aggregate, Penn. State Matches

ERNEST PADE
First in Philadelphia Rifle League Aggregate, at Phila.

DICK EBBESON
First in Maine State Aggregate, at Skowhegan

WALTER SHANESSY
First in Remington Trophy Match Aggregate, Conn. State

E. J. DOYLE
Tied for First in New York State Aggregate, at Peekskill

FRED JOHANSEN
Tied for First in Grand Aggregate at Bloomington, Ill.

See the following pages for more details.



10 FIRSTS IN 18 MAJOR MATCHES

WITH **WINCHES**

TRADE MARK

Including Both Aggregates . . . 10 Firsts In



Winchester Model 52 Target Rifle with Heavy Barrel and Marksman stock; standard sight equipment

47 Firsts — 40 Seconds — 29 Thirds

FOR your success in the National Small Bore Rifle Matches, buy Winchester EZXS special match ammunition. Shoot in a Winchester New Model 52 Marksman Heavy Barrel target rifle. All Firsts, Seconds, Thirds, etc., listed on these four Winchester pages, with exception indicated, were won with Winchester EZXS. In the same tournaments, as most of the winners shot Winchester Model 52 Rifles—taking 43 Firsts, 36 Seconds, 36 Thirds. Besides, 5 more Firsts, 3 Seconds and 3 Thirds won with Model 52 with alterations. . . Note these outstanding wins—including new world records—made with Winchester EZXS:

Both the Grand Aggregate and the Iron Sights Aggregate at Camp Ritchie, America's No. 1 small bore marksman for 1936, Wm. P. Schweitzer, Hillside, Ill. . . First in Connecticut State Aggregate and Second in the Grand Aggregate at

EASTERN SMALL BORE CHAMPIONSHIP MATCHES

Camp Ritchie, Maryland
June 30 - July 4

INDIVIDUAL GRAND AGGREGATE

1. W. P. Schweitzer 1110 x 1125 Total
2. Dave Carlson 1107
4. R. D. Triggs 1104

IRON SIGHTS AGGREGATE

1. W. P. Schweitzer 1983 x 2000 Total
2. Dave Carlson 1977
4. Wm. O. Breuler 1974

EASTERN INDIVIDUAL CHAMPIONSHIP

- 50, 100, 200 Yds.—Any Sights
1. Jim Lacy 299 x 300—22Xs
2. W. P. Schweitzer 299 x 300—15Xs
5. Dave Carlson 298 x 300—21Xs

EASTERN TEAM CHAMPIONSHIP

- 50, 100, 200 Yds.—Any Sights
1. Fenmore Rifle Club 1190 x 1200—74Xs
2. J. C. Lippencott 298
3. R. D. Triggs 298
4. T. Samsøe 295

First three members used EZXS.

3. Quinnipiac R. C. 1184 x 1200—60Xs
1. Dave Carlson 297
2. Jack Lacy 296
3. Jim Lacy 296
4. E. J. Doyle 295

EASTERN TWO-MAN TEAM MATCH

- 100, 200 Yds.—Any Sights
1. R. D. Triggs 391 x 400 778
- J. C. Lippencott 387 x 400
- Triggs only used EZXS.

2. E. J. Doyle 395 x 400
- Dave Carlson 382 x 400 777
3. Jim Lacy 389 x 400
- Jack Lacy 386 x 400 775

50-YARD INDIVIDUAL

2. E. J. Doyle 400 x 400—32Xs
3. W. P. Schweitzer 400 x 400—31Xs

PALMA INDIVIDUAL

150, 175, 200 Yds.—Any Sights

2. Ernest Pade 224 x 225—36Vs
3. R. D. Triggs 224—33Vs
4. W. P. Schweitzer 224—31Vs

PALMA TEAM MATCH

150, 175, 200 Yds.—Any Sights

1. Quinnipiac R. C. *899 x 900—151Vs
- Wm. O. Breuler 225 x 225—39Vs
- Dave Carlson 225—38Vs
- Jim Lacy 225—38Vs
- E. J. Doyle 224—36Vs

*New World Record

2. Fenmore Rifle Club 896 x 900
- W. P. Schweitzer *225 x 225—43Vs
- J. C. Lippencott 225
- R. D. Triggs 223
- T. Samsøe 223

First three used EZXS.

*New World Record

3. Bear Rock R. C. 894 x 900
- Floyd Oswald 225
- Ernest Pade 225
- C. Freed 223
- E. E. Handwerk 221

First two used EZXS.

DEWAR INDIVIDUAL FOR CLASSES B & C

50, 100 Yds.—Metallic Sights

1. Mrs. L. L. McDonie 398 x 400—26Xs

CAMP PERRY SPECIAL

50, 100 Yds.—Metallic Sights

1. Jim Lacy 399 x 400
2. Dave Carlson 397
3. R. D. Triggs 397

50 METER INDIVIDUAL

Metallic Sights

1. Ernest Pade 397 x 400
4. W. P. Schweitzer 396
5. Wm. O. Breuler 395

100 YARD INDIVIDUAL MATCH

Metallic Sights

2. J. C. Lippencott 396 x 400
3. W. P. Schweitzer 396

MATCHES AT CAMP RITCHIE ENTER EZXS

First in 17 Matches at East Haven

— 29 Thirds — Won with EZXS in 10 Tournaments

Matches at Camp Perry, Conn. Shoot in a Winchester rifle. . . All Firsts, pages, with exceptions as in some tournaments, as usual. . . taking 43 Firsts, 43 Second and Thirds were outstanding wins—includ-

S: . . . Dave Carlson, of New Haven, Conn. . . First in the Camp Ritchie Palma Team Match, with an amazing new record score of 899, and for the third consecutive time, by the Quinnipiac Rifle & Revolver Club team, of New Haven. . . The wins by Ernest Pade, of Sellersville, Pa., a newcomer this year in the top brackets on major tournament scoreboards. . . Those two Firsts by Jim Lacy, of New Haven, at Camp Ritchie; also his First and Seconds at East Haven. . . The tie for First in the Aggregate at Peekskill by E. J. Doyle, of New Haven; his two Firsts at Sea Girt; his fine showing at East Haven and Camp Ritchie. . . The two Aggregates won by Merle Israelson, of Akron, Ohio, at Tarentum, Pa., and at Erie. . . The Grand Aggregate and Dewar Aggregate at Indiantown Gap, won by Frank Frohm, of Wilkes-Barre, Pa. . . Harry Frohm's success there too. . . The two Firsts at East Haven by Walter Shanessy, of Brooklyn, N. Y. . . First by the Fenmore Rifle Team, of Hillside, N. J., in the Eastern Team Match, Second in the Palma Team Match, at Camp Ritchie, three out of four shooting EZXS.

Ritchie, also First in the Swiss Match in each tournament, by Dave Carlson, of New Haven, Conn. . . First in the Camp Ritchie Palma Team Match, with an amazing new record score of 899, and for the third consecutive time, by the Quinnipiac Rifle & Revolver Club team, of New Haven. . . The wins by Ernest Pade, of Sellersville, Pa., a newcomer this year in the top brackets on major tournament scoreboards. . . Those two Firsts by Jim Lacy, of New Haven, at Camp Ritchie; also his First and Seconds at East Haven. . . The tie for First in the Aggregate at Peekskill by E. J. Doyle, of New Haven; his two Firsts at Sea Girt; his fine showing at East Haven and Camp Ritchie. . . The two Aggregates won by Merle Israelson, of Akron, Ohio, at Tarentum, Pa., and at Erie. . . The Grand Aggregate and Dewar Aggregate at Indiantown Gap, won by Frank Frohm, of Wilkes-Barre, Pa. . . Harry Frohm's success there too. . . The two Firsts at East Haven by Walter Shanessy, of Brooklyn, N. Y. . . First by the Fenmore Rifle Team, of Hillside, N. J., in the Eastern Team Match, Second in the Palma Team Match, at Camp Ritchie, three out of four shooting EZXS.

EASTERN JUNIOR CHAMPIONSHIP 50 Yds.—Metallic Sights	
1. Helen Jenkins	200 x 200—12Xs
2. Wm. Waite, 3rd	198—12Xs
3. Francis Chidsey	198—9Xs

SMALL BORE SPENCER MATCH 200 Yds.—Any Sights	
1. W. S. Brophy	192 x 200
4. Sam Tekulsky	191

LONG RANGE INDIVIDUAL MATCH (B & C ONLY) 200 Yds.—Any Sights	
1. Mrs. L. L. McDonie	187 x 200
4. H. C. Williams	185

SWISS MATCH 200 Yds.—Any Sights	
1. Dave Carlson	20 Bulls

CONNECTICUT STATE SMALL BORE TOURNAMENT East Haven, June 18, 19	
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CONNECTICUT STATE CHAMPIONSHIP Aggregate of Matches 1, 3, 4, 8, 12, 13	
1. Dave Carlson	1960 x 2000
2. James Lacy	1959
3. E. J. Doyle	1955
4. Stiles Stevens	1955

REMINGTON TROPHY MATCH Aggregate of Matches 3 and 8	
1. Walter Shanessy	*800 x 800
2. Jack Lacy	798
3. Dave Carlson	796
*New Record	

HARTFORD COURANT TROPHY MATCH Aggregates of Matches 9 and 10	
2. James Lacy	798 x 800
3. Dave Carlson	796
5. Ernest Pade	792

50 METER INDIVIDUAL Metallic Sights	
1. Ernest H. Pade	395 x 400
2. James Lacy	395
3. E. J. Doyle	394
4. Walter Shanessy	393

HARRY ANTHONY MATCH 100 Yds.—Any Sights	
2. Jack Lacy	183 x 200
4. James Lacy	182
First won with Model 52.	

ANY SIGHT DEWAR COURSE 50, 100 Yds.	
1. Walter Shanessy	400 x 400
2. Elsie Hellwig	398
3. Jack Lacy	398
4. E. J. Doyle	398
5. J. K. Nielson	397

HERB DINGEE MATCH 50 Meters.—Any Sights	
2. James Lacy	397 x 400
3. R. F. Gadd, Jr.	397
4. Tom Lewis	397

BAUSCH & LOMB TROPHY MATCH 100 Yds.—Any Sights	
2. Dave Carlson	496 x 500
3. Dr. I. Tekulsky	496
5. E. J. Doyle	495

CONNECTICUT WOMEN'S CHAMPIONSHIP 50 Yds.—Metallic Sights	
1. Elsie Hellwig	200 x 200—18Xs
2. Mrs. J. W. Cole	198
3. Miss H. Moreschi	198

CONNECTICUT JUNIORS CHAMPIONSHIP 50 Yds.—Metallic Sights	
2. R. J. Griffin	197 x 200
4. Joe Vitas	196
First won with Model 52.	

CONNECTICUT DEWAR MATCH 50, 100 Yds.—Metallic Sights	
1. Dave Carlson	400 x 400—27Xs
2. Jack Lacy	400 x 400—25Xs
3. Walter Shanessy	400 x 400—23Xs

A. L. STOWELL MATCH 50 Yds.—Any Sights	
1. James Lacy	400 x 400—29Xs
2. Jack Lacy	400 x 400—26Xs
4. Walter Shanessy	399
5. Dave Carlson	399

ERIC JOHNSON MATCH 100 Yds.—Any Sights	
2. James Lacy	398 x 400
3. Dave Carlson	397
5. W. Brophy	394

EAST HAVEN DEWAR MATCH 50, 100 Yds.—Metallic Sights	
1. Jack Lacy	394 x 400
3. Tom Lewis	393
4. Dave Carlson	392

CONNECTICUT LONG RANGE MATCH 200 Yds.—Metallic Sights	
1. S. J. Vitrano	195 x 200
2. H. D. Smith	192
4. H. K. Peterson	187
5. R. D. Triggs	187

HENRY GUSSMAN TROPHY MATCH 200 Yds.—Any Sights	
2. E. B. Mechling	194 x 200
4. James Lacy	192
5. Sam Tekulsky	192

SWISS MATCH 200 Yds.—Any Sights	
1. Dave Carlson	109 Bulls
2. Dr. I. Tekulsky	37
3. James Lacy	25
4. Jack Lacy	24
5. E. J. Doyle	22



6 AGGREGATES.. MANY OTHER MAJOR WINS WITH **WINCHESTER** EZXS

TRADE MARK

In Maine, New York, Pennsylvania, Illinois, Missouri

Carlson, Doyle, Craemer, O'Hare at Peekskill

SHOOTERS using Winchester EZXS and Model 52 led the winning in the annual New York State Rifle Association small bore matches, at Peekskill, June 4-5. Dave Carlson took First in the General Dyer Match and shared First with E. J. Doyle in the Two-Man team match. In the latter match, half of the members of the next four teams also used EZXS. H. S. Craemer won First in the General Spencer Match, with Carlson Second. Francis O'Hare First in the Major Palmer Match, with E. J. Doyle Second, William Waite Third. Doyle was also Second in the Palma Match—Craemer winning Third—and tied for First in the Aggregate Cup Match with a perfect 500x500, being outranked only on choice of sights.

Frank and Harry Frohm at Indiantown Gap

In the first annual Small Bore Tournament of the new Pennsylvania Rifle & Pistol Association on the State Rifle Range at Indiantown Gap, June 18-19, the Frohm brothers, Frank and Harry, shooting Winchester EZXS, were leading winners. Frank won the Grand Aggregate—for six matches—also won the Dewar Aggregate—for two matches, Metallic and Any Sights—also First in the Pennsylvania Individual, 50 Yards, Any Sights. Together Frank and Harry won the Dewar Two-Man Team Match, Frank shooting high score. Harry also won Second in the Pennsylvania Individual, Second in the Fifty Meter, Any Sights, Second in the Fifty Meter Aggregate. Thirds won by Frank were in the Dewar Individual and Fifty Meter Individual, Any Sights. Jack Folk won First in the Fifty Meter Individual, Any Sights, Third in the Fifty Meter Aggregate. All rifles Winchester Model 52, Frank Frohm's with special barrel.

Mr. and Mrs. Cole, Clough, Rickards, Ebbeson, at Skowhegan, Me.

Starring in the Maine State Matches at Skowhegan, June 25-26, Dick Ebbeson won First in the Aggregate Championship and Second in the Short Range Match. John W. Cole won First in the Offhand Championship—20 shots, 100 yards, metallic sights—and First in Mid-range Individual Championship. Mrs. Cole took First in the 50 Meter Metallic Sights Match. F. Clough First in the State of Maine Dewar Course Match. Ray Rickards First in the Short-Range Championship, Second in the

State Dewar. Other winners, C. W. Staples Second in the Aggregate Championship, Third in the Long Range Match, and Wm. Livingstone Second in the 50 Meter Metallic Sights. All used Winchester EZXS and Model 52.

Israelson, Hale, Canfield, Darkow at Tarentum, Pa.

Grand Aggregate Match winner in the matches of the Tarentum District Sportsmen's Club, on June 12, was Merle Israelson. He shared First with James Hale in the Two-Man Team Match, won Second in the Dewar Any Sights. Hale was First in this Dewar Match, shot the high score in the Two-Man Team Match. Second team in the Two-Man Match, V. Z. Canfield and A. L. Darkow. All shooting Winchester EZXS, and all Model 52 except Canfield.

Israelson, Berlin, Naish at Erie, Pa.

Week following, at Erie, Merle Israelson was again the Grand Aggregate winner. Also winner of the 50 Meter, Any Sights match. First in the Dispatch-Herald Dewar Match, C. H. Berlin. First in the 100 Yard Any Sights Individual, F. R. Naish. All using Winchester EZXS and Model 52.

Pade and Chidsey at Philadelphia, Pa.

Ernest Pade was the leading winner in the Philadelphia Rifle League Championships, June 24. First in the Aggregate, and First in the Dewar Individual; Second in the Any Sights Dewar. First in the latter match was Francis Chidsey, Jr. Both used Winchester EZXS and Model 52.

Johansen at Bloomington, Ill.

Shooting Winchester EZXS, at Bloomington, Ill., July 3, Fred Johansen tied for First in the Grand Aggregate, Veterans of Foreign Wars Tournament, dropping only 5 points!

Josserand, Harrison, Black at Pleasant Hill, Mo.

Winners who used Winchester EZXS and Model 52 in the Western Missouri Small Bore Championships, on the range of the Pleasant Hill Rifle & Pistol Club, June 11, 12, divided honors as follows: First in the Small Bore Wimbledon, Metallic Sights, Pete Josserand, with W. L. Black Second. Josserand also won First in the 50 Meter Metallic Sights Individual, Third in the Aggregate. Winner of Third in the Dewar Individual, Metallic Sights, H. B. Harrison.

EZXS Come in Both Lesmok and Smokeless

ABILITY to win the highest small bore rifle shooting honors, as demonstrated in the many matches listed on these pages, is the constant standard to which every box of Winchester EZXS is manufactured. Buy them from your dealer. For special information on Winchester equipment for small bore target shooting, consult or write to Major J. W. Hession, Manager of Shooting Promotion.



C. W. STAPLES



MERLE ISRAELSON



JAMES HALE



FRANCIS O'HARE



DICK EBBESON



JOHN W. COLE



MAKING THEM SMOKE

By B. K. WINGATE

{Concluded from July Issue}

PISTOL FLASKS are found in many styles and shapes but the usual size is rather small, holding only about two ounces of powder. While occasionally a larger flask is found, they are rather uncommon, and even they, when used with the .44-caliber revolvers, require frequent filling if an extensive shooting program is under way. The one fault of the ordinary pistol flask is the difficulty of refilling. Seldom do they have screw tops and the procedure of pouring in a new supply through the small opening is a test of both patience and nerves.

A very satisfactory solution can be had by modifying a six or eight-ounce rifle flask. For this, a flask having a screw top is preferred. The original charger, of course, will be entirely too large but all that is necessary is to insert a liner on the inside of the spout or else have a new charger made. The making of a new charger is preferred, as it can be made with a long, slender neck which will afford greater convenience when charging the cylinder, and with several chargers of varying capacity the same flask can be used with different calibers of revolvers.

The making of several new chargers is not a complicated procedure, although it does require the skill and equipment of a machinist. Such chargers should be made from a solid piece of brass and finished to size and shape externally and with a hole not to exceed $\frac{3}{16}$ " diameter bored straight through. The remainder of the job is yours—that is, reaming out the bore to measure the proper amount. Small taper reamers can be purchased at most 10¢ stores and with a reamer, reamer wrench, vise and powder measure or scale, the enlarging of the bore to proper capacity can be readily accomplished. As the bore of the new charger is enlarged, its capacity should be checked frequently by filling it with an amount of powder previously measured. If a powder scale is handy, the procedure is more convenient as the new

charger can be attached to its flask, filled, and its capacity readily checked.

Bullets should always be cast of soft lead and sufficiently oversize to make an absolutely gas-tight fit when seated. The lead does not have to be pure provided it is soft enough to load easily. Scrap lead, if it does not contain too much alloy, is suitable, and old lead plumbing is an excellent source of bullet material. Cut out the "wiped" joint sections, however, and reserve them for your .30-'06 reduced loads.

Round balls for use in these revolvers can be bought about as cheaply as they can be cast. In the larger cities these can be purchased from some dealers whose trade warrants their carrying the larger sizes of buckshot. Number 0 buck can be used in the .31 calibers, No. 000 buck in the .36's, and a kind known as .45-5 in the .44's. Other than the saving of a lot of labor, the practice of buying buckshot has little to recommend it as the balls are always dented, more or less out of round and frequently undersize.

Many shooters prefer round balls for short range use and target shooting, and while there is some economy in their use, they show little if any advantage over conical bullets. At longer ranges the conical bullet is unquestionably superior.

To cast your own bullets you will need one or more moulds. There are a multitude of shapes, sizes, etc., of the bullets, without saying much about the oddities of the moulds themselves. The styles of both bullets and moulds in many makes can be considered unsound both ballistically and in design, in the light of modern knowledge. It should be remembered, however, that in the days when these revolvers were being made and sold, the severe competition caused any new feature, whether good, bad, or indifferent, to be immediately used as sales propaganda. Furthermore, manufacturers' policies were much the same as today: no

Bullets—left to right: .44 Starr; .44 Colt, Old Model; .44 Colt, Army; .36 Colt, Navy; .36 Remington, Belt; .31 Colt. Round Balls: .44, .36, .31



guarantee unless used with their own accessories, etc., and the types of moulds furnished were frequently of as distinctively ridiculous a pattern as the revolvers themselves.

By the time that the Civil War was going in a strong and determined way and people began to collect their wits, most of the fanciful designs of revolvers and accessories were either cast aside or forgotten and the types of revolvers and accessories purchased for military use settled down to sensible designs. Colt and Remington moulds cast almost identical conical bullets in all calibers, and with the exception of the Starr moulds the others were not far different. Starr moulds, both single and garrison, cast conical bullets of rather faulty design. The Starr single mould casts a conical bullet with offset at base which extends beyond the body of the bullet, and the garrison mould casts a sort of pear-shaped bullet. The Starr garrison moulds were also made with left-handed sprue cutters; convenient for the husky chap who was large and powerful enough to use the big mould in one hand, but a nuisance to everyone else. The Starr bullets have little merit.

The small 2-ball moulds are found with several varieties of conical bullets. In the .44 Colts moulds, the conical bullet usually has a grease groove although occasionally an older type casting a non-grooved "heel" bullet is found. The one with the grease groove is preferred. Once in a while a .44 Colts mould will turn up which casts a long, grooved bullet, and frequently these are mistaken as being intended for use in the Colts Dragoon revolvers. These are not Dragoon moulds, but were made for the revolving rifles, and their bullets are too long to be conveniently seated in revolver cylinders, either Dragoon or others.

In the .36 Colt moulds, here again two types of conical bullets are found. There is a short, stubby, grooved bullet which was intended for use in the smaller revolvers of this caliber—the .36 Belt and Pocket models. A longer, "heel" bullet, without grease groove, is intended for use in the Navy model revolvers.

In the .31 Colts moulds there are no great variations of the conical bullet, although in the early moulds made without sprue cutter the conical bullet is a trifle more pointed.

Remington moulds vary in the same particulars as the Colts although those casting "heel" bullets are seldom found. Remington moulds can be distinguished by having a screw-fastened instead of rivet-fastened sprue cutter. They are not as plentiful as the Colts moulds, and generally not equal in workmanship.

Moulds of the other makers are seldom found outside of cased outfits, and for those makes of revolvers mentioned the design of conical bullets usually conforms quite closely to both the Colts and Remingtons. Moulds of unknown manufacture should be judged on their own merits and shooting performance. Moulds whose conical bullets are of the "collar-button," Tranter pattern, or other ridiculous design, should be avoided—most are decidedly unsatisfactory in use. Moulds that have been re-cherried for other purposes—and many of the cap-and-ball revolver moulds were—should likewise be avoided.

Casting bullets in the small 2-ball moulds is not a great task for the chap who does not shoot much, but for the chap who wants a plentiful supply, these moulds are rather impractical—as well as hard on both fingers and temper. Garrison moulds are very satisfactory where quantity pro-

duction is involved, but to efficiently use these some equipment is necessary and more working space is needed, whereas the 2-ball mould can be made to perform its duty with any sort of iron pot or ladle, a chunk of lead, and a spoon—if nothing else be available. The garrison moulds require an ample supply of molten lead, a ladle, a vise, a mallet or billet of wood, and above all else, an abundant supply of heat. A 20-lb. capacity pot is best suited for use with the garrison moulds, and these large pots are quite difficult to obtain. A plumber's ladle, holding at least a half pound, is needed, as the conventional Ideal dipper is entirely inadequate; and a plumber's gasoline furnace offers the best source of heat. A vise having copper-lined jaws is also required, close at hand. A stout billet of wood is preferred to a mallet, as after getting badly worn and splintered, it can be discarded.

Having all of the necessary equipment at hand, the actual casting of bullets with the garrison moulds is not complicated and requires attention to only one important detail: both mould and lead must be *very hot*, and kept *very hot*. If the mould is not hot enough, the lead will chill before filling all of the cavities, and if the lead is not hot enough, the same trouble occurs.

When both mould and lead are at the right temperature, the mould is clamped firmly in the nearby vise, a ladle of lead poured into the channel, and as soon as the lead has chilled, the sprue cutter is struck a sharp blow with the wooden billet. Remove the mould from the vise, rest the hinged end of the mould on a block, open the handles, and then tap the sides of the mould lightly with the billet to remove any bullets that stick. Bullets that stick are usually located on the side directly under the sprue cutter, and giving the cutter a light tap or two will loosen such bullets that are not easily jarred loose. Incidentally, the advantages of knocking off the sprue—surplus lead—while the mould is still clamped in the vise are two-fold: first, the long sprue is more easily cut off, and secondly, there is no danger of getting the mould strained. The hot bullets as they fall from the mould should be caught on a padding of old rags to prevent dents, nicks, etc.

Having powder, flask, and bullets now at hand, the next requisite is caps. Nowadays pistol caps come in sizes No. 9 to No. 13 inclusive, but years ago they were made in many more sizes. Nos. 9 and 10 represent the small sizes, Nos. 11 and 12 the medium sizes, and No. 13 the large size. Those revolvers which still have original nipples in good condition use caps as follows: No. 13 on Colts Dragoons, Nos. 12 and 11 on all of the military revolvers as well as the Belt and Pocket models of Colts, and Nos. 10 and 9 on the miscellaneous makes of pocket revolvers. For general use on the military models other than Dragoons, No. 11 caps are best, as they fit tighter and stick better.

One other item is necessary—grease. While many other methods of lubricating bullets have been used or recommended, my experience has been that nothing else works as well and with less bother than common automobile cup grease. Any grade can be used, the stiffer grades being preferred. A pound can of cup grease will usually last for about 500 rounds, and the cost is trifling. Some manufacturers put their grease in short, broad cans which have an inner lid with a large hole in the center thereof, and when said lid is depressed it squeezes the grease upward

through the center opening. This type of can is very desirable. A short paddle for applying the grease to the chambers can be made from a stick or piece of sheet iron.

Everything now being in order, let's retire to the scene of shooting activities. In going, we might just as well take along our tool kit—screw driver, nipple wrench, small hammer, pliers, several drift punches, cleaning rod, oil, a handful of old rags, etc. Never yet have I seen the handgun—modern, antique, or otherwise—that didn't need some occasional attention on the range.

Being ready to load, the first thing to do is to place caps upon nipples and fire them to drive out any oil, dirt, etc., that might be in the vents. It's surprising how persistently oil in a nipple vent will cause the chamber to misfire. If there is any obstruction of more substantial nature in the vent, one of the madam's thin, fine sewing needles should be run through to clear it. Incidentally, nipples whose flash holes are too small will cause misfires. From twenty to twenty-five thousandths of an inch is the diameter of the flash hole on new nipples, and in case any are much less, a thin needle can be used to open the hole to the proper size. The average package of needles, containing assorted sizes, is very useful for such purpose. Do not enlarge the flash hole too much as this will cause the caps to fragment badly. In the Colts particularly, cap fragments are apt to pass backward and downward under the hammer, get into the "works", and cause trouble. Common pistol caps, used with normal loads and on nipples whose flash holes are correct, will become mushroomed upon discharge, but will not fragment. Just as the flattening of primers in cartridge arms affords an index of pressure, so do the caps indicate the proper functioning of the cap-and-ball revolver.

To load the revolver, first half-cock the hammer, then grasping the revolver around the frame and cylinder with the left hand, muzzle upward, rest the butt on your knee, if nothing better and higher is available. Next grasp the powder flask in your right hand, placing the forefinger over the charger, invert flask, open gate with thumb, allowing a second or two for the powder to fill the charger, close the gate by letting it snap shut, return flask to normal position, remove forefinger from charger, and pour the powder into one of the chambers. Revolve cylinder to next chamber with thumb and forefinger of left hand, and pour in powder. Better look into the chambers after you think they're all charged.

With the revolver still resting on the left knee and supported with the left hand, use your right hand to place a bullet in the mouth of one chamber. Turn the cylinder slightly with left hand until the bullet comes under the rammer, then ram home as far as it will go, with right hand. Repeat until the cylinder is fully loaded. The entire loading procedure, of course, calls for the absolute cessation of smoking and the safe storage of all lighted cigarettes, etc.

Next comes the greasing. Using the small paddle, fill the remaining space in each chamber full of grease, and the revolver is ready to be capped.

Capping can be done most readily by holding the revolver in the left hand with frame and cylinder resting in the palm. Turn the cylinder with left thumb as you slip the caps on the nipples with your right thumb. The revolver is now ready to shoot, and you can go to it.

Don't be alarmed at some small gobs of grease splattering out sideways from the unfired chambers. They won't bother you although they might splatter the fellow's shirt who is standing in the offing. If he's wearing old clothes he will not holler, and if he's wearing good ones he's got no business fooling around with black powder, particularly in a muzzle loader.

The thing about cup grease is that several hundred rounds can be fired in an afternoon without cleaning the barrel, and the accuracy is still as good as at the start. It's hard on rags, though.

The effectiveness of cup grease can be judged by examining the bore after the shooting is finished, but a very convincing test can be made in short range shooting. Start with a clean revolver, load three- or five-grain charges and thick wads to hold the powder in position. Seat bullets, and grease as before. Set up a heavy pasteboard box at 20 or 25 feet, and fire away. Two remarkable things will now be observed on the target: first, a ring of grease around each bullet hole, and secondly, the order of firing can be readily noted by the increasing blackness of the grease. After the first cylinder has been emptied the order of firing cannot be distinguished, as each shot is taking out about as much fouling as it puts in.

The actual shooting—the things shot at, hit, and missed, need no description here, but it is sufficient to say that with all essential features given proper attention, the performance of these old cap-and-ball revolvers is truly surprising. Don't expect them, though, to outshoot the modern handguns, because the old cap-and-ball revolvers are in a class by themselves, separate and distinct from anything modern. If you want some good sport they will produce it, but always remember that fooling with them is dangerous. These revolvers were made to kill people, and they can do it just as easily today as seventy-odd years ago.

It is worthy of note that the greatest pleasure in the use of these old guns will be had from their performance under conditions similar to those of their day. They will soon convince you that when grandpappy fought in the war he was armed with no trifling weapon. They will also surprise you with their ability to make good groups in target shooting, as well as pick off bottles and tin cans at fifty yards.

Attempts to revamp these guns along modern lines, and dangerous experimenting with excessive, improper, or high-speed loads and smokeless powder, can only be condemned. Similarly, the use of shot or blanks is not recommended, as the chambers can not be sealed sufficiently gas-tight to prevent an occasional multiple discharge.

The heaviest charges of powder are not recommended, for, while they can be safely used, they produce excessive fouling and fragmentation of caps. While there is no absolute rule as to how much powder should be used, the best results can be obtained with moderate charges. From 8 to 10 grs. are ample for the .31's; 12 to 14 grs. for the small .36's; 16 to 18 grs. for the .36 Navies; 18 to 20 grs. for the .44 Armies, and 30 to 35 grs. in the Dragoons. Charges for use with round balls can be reduced below these amounts—considerably so in the larger calibers, as they are not satisfactory for long ranges or full charges.

With appropriate use, management, and care, the cap-and-ball revolver will inspire a feeling of respect and admiration. Pax vobiscum!



Weaver 29-S scope in latest Redfield mount

A DREAM COME TRUE

By ALLYN H. TEDMON

AT LAST I have found it: a hunting-scope mount fit for a single-shot rifle! Of course there are those who will raise their olfactory organ skyward at the mention of a medieval thing like a single-shot rifle, but the fact remains that for most rifle shooting to be had in this country today, a single-shot is just as good as anything else. In fact, after years at the trigger it is my personal opinion that, with the exception of big-game hunting, long-range shooting at coyotes or wolves, and all phases of military rifle-shooting, the average man has about as much use for a repeater as the proverbial cat has for two tails. But regardless of this or that, there are a lot of us who are much interested in anything new that will improve our favorite one-shot, one-hit tack-drivers.

For years I have tried to find a scope mount that would place a scope on a single-shot rifle down close to the barrel: right down on the iron-sight line. In an old catalog of the J. Stevens Arms and Tool Company there was listed an internally adjusted scope with an extremely low-set type of ring mount. This proved that such an outfit could be produced if someone would only do it. The Redfield Gun-sight people have had on the market something along the lines of this idea for years but it was not suitable for use on single-shot rifles.

The old Stevens ring mounts—the first of this type to appear on the market—I understand did pretty well; and later we picked up a couple of sets of those No. 1 Winchester mounts, the neatest thing of its kind ever turned out in this country by anyone. These little Winchester mounts are light, beautifully made, and of course fit the now standard Winchester blocks; but still the scope sat way up there above the barrel.

Finally I purchased a set of Malcolm "C" type mounts that screwed direct to the barrel, thinking that these mounts would place the scope lower. Here is in every way the strongest mount of the two-ring top-barrel type to be had. The rear ring controls the elevation and grips the scope as a hunting scope should be held (not to slide in the mounts), and the front mount gives windage adjustment. While I confess a rare yen for this set of mounts, yet I was sadly disappointed when I discovered that in them the scope sat just as high above the barrel as ever. This unnecessary and highly objectionable feature (for a hunting rifle) of all the mounts available just about weaned me from a scope for small-game shooting. I personally do not like a straight stock on a hunting rifle, and above all things I hate a high comb—the one thing a stock must have with a scope mounted a foot or two above the barrel, if you expect to get any pleasure out of using the outfit in the field. The scope mount in my mind should carry the scope so low that the regular offhand stock can be used.

This Malcolm mount can be changed so as to place the scope in a low position, and Dr. F. H. Carpenter, of Denver,

has several big-game rifles equipped with scopes mounted in remodeled Malcolm mounts, and they are very satisfactory and stand the gaff. But it takes many and numerous shekels to make over Packard cars and telescope mounts, so I fiddled along with what I had. Then from down Rio Grande way came the rifleman's friend, Mr. W. R. Weaver, with scopes and mounts within range of the millrun rifleman's bean-pot.

Nobody can honestly find much fault with any of the Weaver outfits, especially when their cost is taken into consideration. From the very first, Weaver's idea of fastening the mount to the side of the rifle action, and thus putting the scope just as low as it is possible for one to go, was O. K. He started with the right idea, and has continued to improve upon it; but, old fudgbudget that I am, I just could not bring myself to the point of having my carefully preserved rifle actions drilled for a side mount. Consequently, while a low-set scope was actually within my reach, I continued to rubber through my old SA in its Malcolm mounts. Thus things stood until one day I heard of something new over at the Redfield plant. With mind heaped with animated question marks which indicated thoughts of doubt, I tore up the road to that certain spot in Colorado.

Here, at last was the answer to my dream—a bridge-type mount that is simply ideal for holding an internally adjusted scope on a single-shot rifle! The base of the mount screws to the barrel (and what difference do a few more holes in a barrel make—it already has one clear through it)? The mount is a younger brother to the Redfield big-game-rifle mount—sturdy and very well made. The scope may be easily and quickly removed, and by having extra bases mounted on several rifles, it is simple to use the same scope on all of them. You merely make necessary elevation changes within the scope itself, for the windage screw in the base, once having been correctly set, remains so. On a repeater this mount, of course, sits back on the action; but above all things, when this mount is on your rifle the arm *still looks like a rifle!*

A scope in this mount will stand more banging around than the average complicated receiver sight will stomach. While the Weaver 330 scope is grand—long eye relief and all—I selected a Weaver 29-S for this rifle. It has internal adjustments that are accurate, and the clicks *are* clicks, not a series of rough bumps. This mount does everything that one has a right to expect of a rifle telescope mount. It holds the scope solid and low, at the iron-sight level, and it is easily removed from the rifle; fact is, it does just about everything a scope mount can do except insure a bull's-eye for every shot regardless of where you hold. For my part, about the worst thing I can find about it is that yours truly will have to find something else to crab about. For my dream has at last come true.

REMINGTON RANGEMASTER

By MONROE H. GOODE

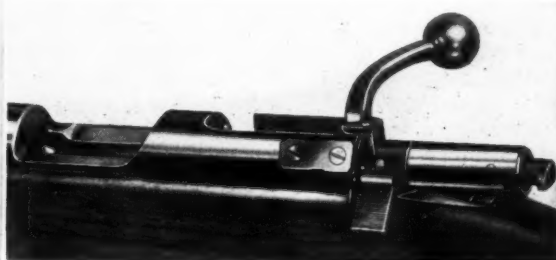
THE REMINGTON MODEL 37 "Rangemaster," a bolt-action, highly specialized, heavy barrel, .22-caliber, match target rifle, was first presented to the public in appreciable numbers a year or so ago. A great deal of water has run under the bridge in the interim and the swaddling clothes of the infant have been replaced with the insignia or brassards of championships. The M/37 is a "wow" in the vernacular of many small bore target shooters. Certainly it perks right along and has proved its ability to go places in short order, and how!

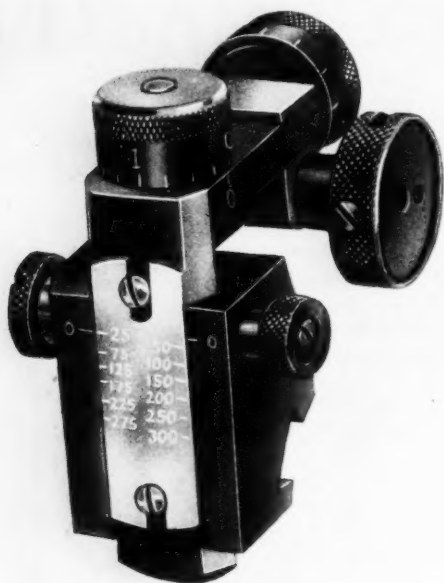
Produced by America's oldest arms company, five years or more of study were given to the design, during which time the pilot model was submitted to scores of top-notch shooters from the Atlantic to the Pacific for their criticisms and suggestions. Even foreign countries were canvassed for constructive, modern ideas. It is doubtful whether a firearms manufacturer ever before made such a determined effort to ascertain just what qualities were wanted by the shooters themselves. M/37 is new from butt to muzzle, not a madeover arm. Perhaps we had best X-ray its anatomy, as the qualities of the "innards" have a strong bearing on the performance of the Remington M/37, the second real small bore target rifle ever produced in this country.

A speed action entirely different from anything else on the market is its most outstanding feature. Clearly the action is the heart of a target arm and it makes or destroys accuracy. Any mechanic with proper tools can eventually learn to bore fairly accurate barrels and most any cabinetmaker can duplicate, to a degree, a target stock, although bedding of stocks is an art in itself; but of first importance is an action that affords unfailing uniformity, good breeching to the cartridge, speed ignition, heat treated wearing parts, yet with a velvety smooth trigger action, which can be adjusted to release consistently at a pull of either $3\frac{1}{8}$ or $3\frac{1}{4}$ pounds.

Trigger pull of the M/37 is adjusted by means of turning in or out a screw sunk $\frac{1}{4}$ inch into the upper part of the trigger, which turns against the trigger spring. A wide range of adjustment of trigger

At sides: Right and left-hand views of the "Rangemaster." Below: Close-up of action, showing—among other things—dovetail block for mounting rear sight





Rear sight

pull is impossible, but there is little need for such on a small bore target rifle. A trigger that will stay put at either $3\frac{1}{8}$ or $3\frac{1}{4}$ pounds (3-pound pull is the minimum allowed by N. R. A. rules) is more to be desired than one with a wide range of adjustment which may not hold a given set pull. The final test of a trigger is whether it will unfailingly hold exactly the same pull from shot to shot and from day to day over long periods of time. This was what Remington were shooting at when the action of the M/37 was developed and they asserted from the beginning that the trigger would absolutely "stay put." The superb performance of the arm proves that at least substantial headway in this respect has been achieved. The let-off is sharp and crisp without the slightest evidence of drag or creep, and the trigger is corrugated to prevent finger slip.

Firing pin throw was originally .13 inch, which proved slightly too short for best ignition; it has been lengthened to .16 inch.

The receiver is made extra stiff and strong—strong enough, in fact, to withstand a .30-'06 cartridge, thereby eliminating the possibility of breakage and other troubles. A weak, springy receiver may change the headspace with unpleasant or injurious results, and excessive headspace certainly would be ruinous to accuracy. The receiver is heavily bolted to the stock at tang and under receiver ring, just like a high-power rifle, and this reduces inaccuracy arising from inadequate fastenings. A surplus of breeching strength is furnished by two extra large lugs in the middle of the bolt, the bolt handle constituting the larger one. Bolt handle turns up through rear middle part of the receiver like Savage M/20 and Mannlicher, which forever prevents the mounting of a scope in a low position and also makes the use of certain receiver sights impossible. Bolt lever is large and well shaped, facilitating easy grasping but set at the wrong angle to permit use of low, hunting-type scope mount. The action is, of course, perfectly satisfactory for use of the standard type target scope, and there will be no occasion to mount a hunting scope on the rifle unless the arm is produced in sporting type, which now appears unlikely. It is impossible to remove the bolt from action for cleaning or other purposes unless rear sight is raised very high or else taken off entirely.

There is little, if any, cam in the action, which means that the seating of the bullet is done manually by a straight push rather than the smooth cam leverage found on modern, high-power bolt arms. Conversely, extraction is made by a straight pull to the rear without benefit of cam. Camming is not indispensable on a .22 rim fire rifle, and if the Remington engineers feel that it can be safely omitted, well and good. A short jump is felt when closing the bolt, due, I am told, to the fall of cocking piece to seat. This jar is noticeable at first but not objectionable and does no harm. If I had my "druthers," would "druther" have a smoother bolt close, but the lack of camming affects neither the trigger pull nor the accuracy. A safety lever (when turned clockwise about 45°) locks the trigger.

A fine quality, milled steel magazine is furnished rather than an ordinary, stamped magazine as usually encountered. A dummy magazine with large distinguishing hole in the center replaces the regular article for slow-fire target shooting. This carefully milled dummy forms the grooved loading platform for single loading, and is so well made that the cartridge can be dropped into the loading trough and pushed by the bolt into the chamber apparently without shaving off any lead or even lubrication. Magazine release button is located one inch forward of trigger guard, and applied pressure not only releases magazine but forces it part way out of hold, a novel and meritorious device. Recess in face of bolt encloses head of cartridge in a circle of steel and helps minimize accidents arising from faulty ammunition. Double extractors should insure perfect extraction at all times.

The heavy barrel is 28 inches long, round, double crowned at the muzzle to prevent possible injury, always a wise precaution, and, of course, it is full-floating. Remington M/37 barrels, which are all of the same weight, are bored, rifled, chambered, and finished with the greatest precision, and they are fully the equal of the best target barrels produced at home or abroad. The "Rangemaster" was not designed to shoot from a machine rest that in any way interferes with barrel vibration. For best results, accuracy tests must be made from a correctly designed muzzle and elbow rest; if this is unavailable, the shooting should be done from the prone position. All of the machine rests in general use do materially interfere with barrel vibration, and since the M/37 was designed for full-floating barrels, it is only natural that the arm will not perform on machine rests that clamp the barrel between forearm tip and muzzle. I have never seen an M/37 that will shoot as well from machine rest as it will from muzzle and elbow rest or even from the prone position when fired by an expert marksman. My own M/37, which is very accurate, is no exception to the rule.

Case-hardened telescope target sight blocks, suitable for either Lyman or Fecker scopes, are set 7.2 inches apart, which is standard for use of scopes of 8X or more, and a special front base is mounted on a matted ramp to accommodate the Redfield globe front target sight.

Remington M/37 is fitted with a one-piece, strictly modern, pistol grip stock, with semi-beavertail forearm, modified pear shape in contour with the bottom almost flat, it being similar in some respects to the Target type stock on the Winchester 52, which has not as wide a forearm as the Winchester Marksman stock. Length of pull is $14\frac{1}{4}$ inches compared with $13\frac{1}{4}$ on the Winchester 52 stocks. The Remington stock is certainly too long except for the man with very long arms, and it should be reduced to $13\frac{1}{4}$ or $13\frac{1}{2}$ inches at most, the former figure being the better average. A long pull prevents persons of small stature from crawling close enough to the rear sight for accurate aim.

In making such a long stock, Remington are working on the theory that it can be reduced for the short man, but since the stock is too long for fully 98% of the shooters, would it not be wiser to make it to fit the average and let the rare individual with giraffe-like proportions add a thicker butt plate or lengthen it in some other manner? M/37 is fitted with a long butt stock, or pull, and a short forearm, whereas it should be just the reverse.

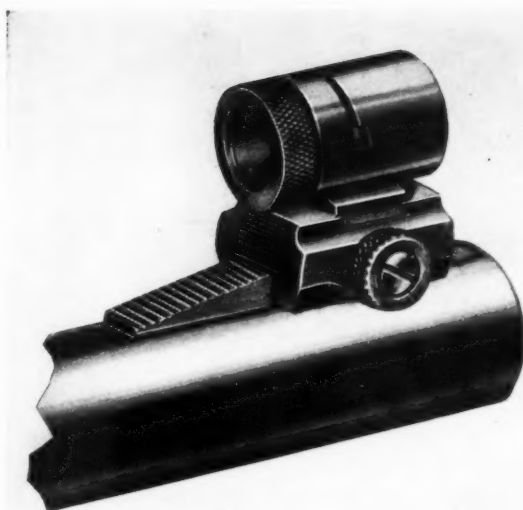
Comb is full but unfluted. Drop at comb is $1\frac{1}{8}$ inches and drop at heel is $2\frac{3}{8}$ inches, compared with $1\frac{1}{16}$ and $1\frac{1}{8}$ inches, respectively, for the Winchester Marksman stock, and $1\frac{1}{16}$ and 2 inches, respectively, for the Winchester Target stock. The stock clearly has too much drop at both comb and heel for use either with iron or scope sights and for best results it should be raised through the medium of a slab of walnut reaching from comb to heel, fitted to the stock and attached by two screws to fit holes in an inletted piece of metal, or changed at the factory. Since the sighting plane with both iron and scope sights is the same on the M/37, this attachment could remain permanently on the stock. The arm has a well curved pistol grip, as now made, $3\frac{1}{2}$ inches from trigger to pistol grip cap, and good quality checkered steel butt plate, size $5\frac{1}{8} \times 1\frac{1}{2}$ inches, which is highly satisfactory to most persons.

Actual tests have proved that the forearm must not be fastened to the barrel when the finest accuracy is required. If the forearm is bound to the barrel, sling tension may interfere with the vibration or even bend the barrel slightly, causing a change in the point of impact, and a warped forearm is more likely to impair the accuracy when tightly bound to the barrel. For these and other reasons, no barrel band was provided, and all the sling pull comes on the forearm and not on the barrel. This generally approved method makes for highest accuracy.

Distance from trigger to forearm tip on target rifles should be not less than $18\frac{1}{2}$ inches. Considerable length is necessary because in prone shooting the left arm is extended well forward—presupposing that the shooter is right handed and shoots from the right shoulder, and the upper sling swivel must be located far enough forward to permit the shooter to reach out as far as necessary or comfortable. If the forearm is too short, this cannot be done and the rifleman is forced to assume a cramped position, always detrimental to good shooting.

The short man may get by with a forearm swivel located $12\frac{1}{2}$ inches from the trigger while his taller brother may require not less than $15\frac{1}{2}$ inches, and in rare cases a length of 16 inches may be necessary. It is, of course, better to place the sling swivel too far away rather than too close as it is always possible to shorten if necessary. There is a definite relation between the length of the forearm and the stock. The disadvantage of a short stock is overcome to some extent by a long forearm, which permits the shooter to extend his hand farther forward than he would ordinarily do, and by the same token the long stock may permit the shooter to get by with a forearm a trifle short. Many thrifty shooters have solved the problem of a short forearm by simply tacking onto the butt of the stock a couple of pieces of heavy sole leather or by attaching a metal butt plate of greater thickness, but of course this is not practical where the butt stock is already too long.

Forearm on the M/37 is fitted with an adjustable screw located in front sling swivel, which gives a sling adjustment of $12\frac{1}{2}$ inches to $14\frac{3}{4}$ inches from trigger to sling swivel—entirely too short for the long armed man. Winchester 52 with Marksman stock has a maximum length of $18\frac{1}{4}$ inches without hand protector and about 17 inches with protector. In my own case, I could not shorten the



Front sight

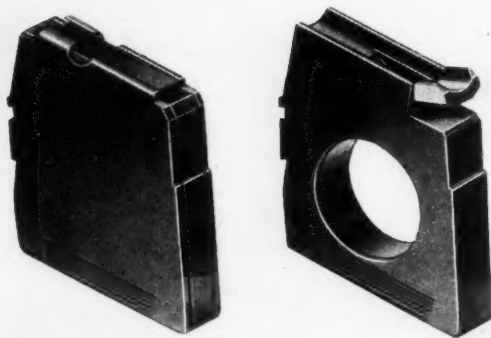
butt of my Remington to $13\frac{1}{4}$ or $13\frac{1}{2}$ inches, which would be about right for me, without lengthening beyond the present limit the forearm adjustment. Remington should either increase the range of front sling swivel adjustment or else place the inset farther forward. Recent advices indicate that in the future the stock will be altered so as to give a shorter butt stock and a longer forearm, which will overcome all criticism in these important respects. Remington was the first domestic maker to offer a match target rifle with an adjustable forward sling swivel.

For a small additional cost, a piece of walnut with concave face to protect the sling hand could have been inserted just back of the front sling swivel, somewhat after the fashion of the Winchester 52 but more shapely. An inexpensive gadget like this could do much to promote sales.

Remington waterproofed the stock, a wise precaution that may prevent impaired accuracy through a warped stock. Naturally, there is no checkering.

As before mentioned, the unique feature of the same sighting plane for both iron and scope sights permits the shooter to go from one to the other without changing the position of his face on the stock and this, of course, should be conducive to accuracy. However, in order to accomplish such an improvement, it was necessary to set the sights very high, thereby lessening the streamlined appearance possible with lower receiver sights, such as the Lyman No. 48 and the Redfield. Naturally, the advantages of the same sighting plane for both iron and scope sights more than make up for the loss in appearance.

Remington engineers designed a micrometer receiver sight especially for the M/37, incorporating the better features of the Redfield, Parker, and Lyman receiver sights as well as some excellent features not found in other sights. It is sturdily constructed, easily attached, and can be removed and replaced without changing the sight setting. Good designing and precision manufacture insure positive movement of the sight stem for windage and elevation when the large knobs are rotated. There is positively no backlash in the sight, and this means that one click change in the opposite direction from the last movement will give a full click change in adjustment. With some sights a change of click in the opposite direction will just about take up the slack.



Regular and dummy magazines

Elevation scale on the sight has both minutes of angle and yards on it and this scale as well as the windage can be set at "zero." The unusually large knobs on elevation and windage screws facilitate their use and permit $\frac{1}{8}$ th-inch spacing of graduations. A $\frac{1}{8}$ th-inch rotation of the knob changes the point of impact $\frac{1}{4}$ minute of angle, or $\frac{1}{4}$ inch at 100 yards and proportionately at other ranges. A beaded, non-reflecting, 6-hole, rotating sight disc with openings of various sizes completes the layout, and thus the user can choose the aperture best suited to his eye and to the condition of light.

The rear sight is attached to the receiver by turning a small lock nut which binds the sight to a scope sight base or block permanently attached to the left upper rear part of the receiver. M/37 is furnished with a special rear block with ratchets on it, which may be substituted for the regular block. This gives about $2\frac{1}{2}$ inches rearward play for the sight, and by the same token the sight may be moved forward at will. In short, what Remington have made out of this simple gadget is a rear extension sight, which will overcome any criticism on that score.

The new Marble-Goss extension receiver sight has just been made available for the M/37. Originally considered impractical, a unique pattern of this popular sight has proved highly satisfactory, and it offers some valuable features. Wittek-Vaver extension rear sight is also made for the M/37, and it is a very fine sight. Thus the purchaser of a Remington "Rangemaster" has three very satisfactory sights from which to choose.

Redfield furnishes a special, target type, globe front sight, which is mounted on a matted ramp, and a full set of inserts affords the user aperture or post sights of various sizes. Both front and rear sights are quickly and easily attached or removed by turning a small lock nut, which

unscrews only enough to loosen the sight—no chance to lose the nut. The sight is fool-proof, for reticules won't fit unless correctly inserted. This Redfield front sight is a darp—one of the best of its type.

A first quality leather sling, Carney type, is part of the standard equipment; weight of arm with sling just under 12 pounds. It is made in one weight only.

Regardless of occasional criticism of some of the minor parts or refinements, concerning which there is always a wide difference of opinion among individual marksmen, one fact stands out above all others: the rifle *will* and *does* shoot like the very blazes!

* * *

To A. F. Goldsborough, Los Angeles, California, goes the honor of being the first to win a match and first to break a world's record with the new Model 37. During the National Matches at Camp Perry, he won the Winchester Trophy Match with a score of 200 x 200 with 14 X's at 200 yards, and was runner-up in the U. S. Trophy Match with 400 x 400. Remington Palma Match VEEZ 73 ammunition was used.

In the same match, Wes Hansche, also shooting a Model 37 with VEEZ 73 ammunition, scored a 400 x 400. Since Hansche fired on the first relay, he had the honor of being the first man to score 400 x 400 with a Model 37. It is significant that the four competitors using the Model 37 in this hotly contested match finished 400, 400, 399, and 399.

Shooting the same Model 37 that served him so well at Camp Perry, Wes Hansche, Racine, Wisconsin, again dramatically proved to the shooting world that the new Remington M/37 target rifle was capable of going places. He rolled up a 490 x 500 to win the Illinois State Championship, being the first state championship to fall to a marksman using an M/37.

Later, Thurman Randle swept the Oklahoma championships using a Remington M/37 in all events save two. The rifle did splendidly on the local range when fired by such veterans as Thurman Randle, McCloud Greathouse, V. A. Moore, and R. C. Pope. Frank Kahrs, Remington executive, did some very good shooting with the rifle on one of his Texas trips. While not aiming to break any world's records, I have found, to my own satisfaction, that the rifle will groove 'em.

Despite the fact that a competitive rifle has been used almost exclusively by the small bore clan for 19 years, the new Remington Model 37 has won many laurels during the short year it has been available to the public. Scores of shooters in all parts of the United States, with a sprinkling in foreign countries, have selected the new Remington in preference to all others. No challenging target arm has been so quickly and so widely acclaimed.

A REBLUEING KINK

By EDSON KLINKEL

THE NEXT TIME you have some blueing to do, try wearing a pair of rubber gloves. They will first be found useful when applying the nitric acid etch. This usually results in some burns on the hands, or the acid gets under the fingernails. Their main use, however, is in handling the hot parts, and in putting them into and taking them out of the boiling water. You can reach right into the boiling water and

remove the parts. Keep a pail of clean cold water handy, and when your hands become uncomfortably hot, plunge them into the cold water for an instant. Parts may be freely handled without fear of detrimental effects upon the blueing.

Miller Holdfast Latex gloves, which you can obtain at the corner drugstore for sixty cents, are very satisfactory. Be sure to get an extra-large size.

WHY ALIBIS?

By I. K. WESTON

LET'S SUPPOSE we are part of a throng of 60,000 or more watching the final and deciding game of a World Series between (let's suppose) the Giants and the Yankees. It is the ninth inning and the Giants are ahead 5 to 4. The Yankees have the tying run on third and the winning run on second. There is one out. Walloping Lou Gehrig is at bat. A long fly will tie the score. Any kind of a hit will win for the Yankees. Gehrig takes a vicious cut at the first pitch and as bat meets ball the stands start a full-throated roar because when Gehrig hits a ball like that it is due to go a long way. But something went wrong! The ball arches softly into the hands of the amazed pitcher and a quick throw to third completes the double play on the runner who had broken for home at the crack of the bat.

And that, my friends, is exactly what has happened—a cracked bat—a home run transformed into a pop fly. A World Series lost for the Yankees and their fans and perhaps two thousand dollars less in the pocket of each member of the Yankee first squad. Just a tough break for the Yankees. No chance for Gehrig to bat again because a bat specially made to his order, tried and trusted, failed him in a pinch.

Let's suppose again that we are at the Penn Relays or some college conference track and field meet. The best sprinters in the conference are set on the mark for the 100 yard dash. The chances for a new record have never been so good. More than that, the points won in this event will decide the conference championship. The odds are heavily in favor of a lad who has been going great guns. The starter's gun barks and the line breaks for the tape as one man. An inch at a time the favored sprinter pushes ahead—and suddenly breaks in his stride and the field sweeps by him. What happened? A broken shoe lace! It's just too bad—the breaks of the game. They don't call him back and give him a chance to try again.

We could go on supposing along these lines and find a hundred situations in all of the sports which are accepted by the American public as being really important, worth turning out to see and worth reading about in the newspapers. Regardless of how many pictures we painted or incidents we related, we would find no sport in which the failure of equipment used by the competitor, or some temporary lapse of memory or unpreparedness on his part, was allowed by the rules to permit the losing competitor to try again. It's just "the breaks of the game"—"too bad"—"tough luck"—call it what you will.

But wait a minute. There is a sport which is beginning to command national attention in which the failure of the shooter to be ready at the start of the race or some failure of his equipment *does* make it mandatory on the officials to call the whole thing off and start again! Yes, I mean pistol shooting; rifle shooting, too. But alibis in the rifle shooting game are harder to make stand up and do not happen so often as they do with us pistol shooters.

Somehow I had always accepted alibis as a kind of necessary evil, until recently. Alibis were accepted when I broke into the game and I just took them for granted along with everyone else. I first started thinking about it when I discovered that the Cuban pistol shooters, when they first came over to this country to shoot in the National Mid-Winter Matches at Tampa, were at a loss to understand what an "alibi" was and why it was allowed. Inquiry developed the information that alibis do not stand up in the International

Shooting Union or Olympic Matches. Even in the silhouette shooting, where the elimination is accomplished by cutting the time for succeeding runs from ten seconds down to two seconds (shooting one shot at each of six silhouettes spaced a meter apart), no alibis are allowed. If the gun doesn't go off or if it doesn't function, like a cracked bat in the hands of a ball player, it is just "too bad."

I was forced to think some more about it when one of the writers for a national sports syndicate sent an article to his papers from the National Mid-Winter Matches at Tampa last winter, which was entitled "Pistol Shooting Is One Sport Where Alibis Are Legitimate." That made me wonder if the American public, including the sports writers, are going to take pistol shooting as seriously as we would like them to, so long as we treat our tough breaks so differently from the way they are treated in baseball, track and field, auto racing, and every other sport that you can think of.

After all, what causes most alibis on a pistol range? First—greatest in number—is the failure to use the right kind of ammunition in the .22 semi-automatics. Most of the .22's that are coming through nowadays will handle practically any ammunition, but the old ones will not. Nevertheless, even the old ones will handle some one cartridge smoothly and regularly. Is there really any excuse for a man going into an important match without first taking a half-day's practice to discover whether or not he is using ammunition that is likely to cause jams?

The second most frequent cause of alibis is misfires. As every pistol shooter knows, practically all misfires can be traced to one of four sources: lightening the mainspring, lightening the hammer, permitting fouling to accumulate, or using a battered striker. Every one of these primary causes of misfires can be charged directly to the shooter himself. If he chooses to work his gun over in the hope of securing an advantage over other competitors, or if he is not careful about keeping it clean in the right places, does he have the right to ask other competitors to give him another chance when things go wrong? Yes, I know that a cartridge will occasionally fail to discharge, due to a bad primer or improper seating of the primer, but the percentage of misfires caused by such manufacturing defects, *when all the other causes are removed*, is very, very small. There are certainly no more bona fide failures of this sort in proportion to the number of competitors than is the case in every other line of athletic endeavor, where such failures are charged off as "the breaks of the game."

The third most prevalent cause of alibis (directly related to both misfires and jams) is improper care of the gun or poorly done or over-enthusiastic gunsmithing.

Fourth and last is improper handling of the gun. "Thumbing" the hammer, and not releasing the trigger far enough to permit the semi-automatic to cock, are the two outstanding examples of claims for alibis caused by improper handling.

Boil them all down and we find that almost without exception these causes of the frequent alibi runs can be eliminated by the exercise of a little more care and intelligence on the part of the alibier. Why, then, is there any more reason for the pistol game to recognize such alibis than there is in the case of a baseball player who uses a spoke-shave on the handle of his bat, or of an automobile or motor

THE WALTHER OLYMPIA SELF-LOADING SPORT PISTOL first came to my attention when my friend Dean Hudnut, Captain of the American Olympic team, brought back from Germany my pistol case and gadgets and drew a sketch of the peculiarly shaped .22-Short pistol which had beaten his team in the 1936 International Match at 25 meters. In fact the first five places and all the medals were won by those shooters who used this Walther pistol.

A. F. Stoeger, Inc., list this pistol in their No. 30 catalog, at \$75.00 in .22 Long Rifle caliber and at \$87.50 in .22 Short caliber. The first-named model can also be had without the balance weights, for \$7.50 less. They were kind enough to have their Washington patent attorney turn over to us one of these Walther pistols in .22-Short caliber. It has a one-piece weight-block fastened to the under-side of the frame in front of the guard. It also has an auxiliary slide, with brightly painted sights for rapid-fire aim. This .22 Short model is designed particularly for row-shooting, or those matches in which each shot of a string is taken at a separate target in a series.

The gun weighs about 40 ounces assembled, but the fine-grooved trigger will not pick up a weight of two pounds. For quick shooting with accuracy it is the finest I have tried. With its weight-block attached the balance point is in the front part of the trigger guard. The trigger movement is short and clean, with a crisp let-off. There is a preliminary slack, or take-up, of nearly $\frac{1}{16}$ -inch, and then a pull of about $\frac{1}{8}$ -inch travel. The weight of pull is about $1\frac{1}{4}$ pounds, with a total movement of $\frac{5}{32}$ -inch.

The .22 Long Rifle model has a different support for its weight-block, which is attached at the same point but is also supported in front by the barrel, and is made up of several removable pieces to make it adjustable. This first part weighs $4\frac{3}{4}$ ounces. The second and third pieces each weigh $4\frac{1}{2}$ ounces. A shorter fourth piece weighs $3\frac{1}{4}$ ounces. Since the pistol weighs $30\frac{1}{2}$ ounces and the weight support $\frac{5}{8}$ ounce, the weights listed above would bring the total to $48\frac{1}{2}$ ounces. For this one, high-velocity .22 Long Rifle ammunition with waxed bullets is recommended. The clip magazine holds ten.

The .22 Short model which we tried holds six cartridges, and the .22 Short high-velocity cartridge with waxed bullets is recommended. We had no failures with regular Klean-bore, Western Kant Splash and old Winchester Lesmok loads. This model weighs $27\frac{1}{2}$ ounces; plus $12\frac{3}{8}$ ounces for its removable one-piece weight. The slide is made of light-

SOME NEW .22

By F. C.

weight metal and will pull our draw scale only four ounces, although it contains the extractor and firing pin and has steel inlays at all bearing points or frictional contact places. There was no aiming disturbance from the mild recoil of these light loads in that 40-ounce pistol.

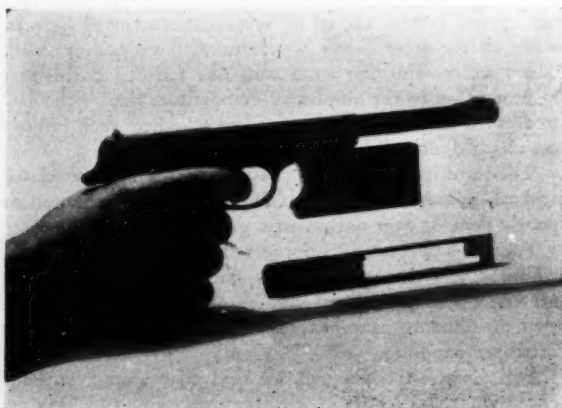
The bottom edges of the slide do not contact the frame. It slides in a flat, snug recess between the barrel and frame which provides sufficient guidance, but the back end of the slide also engages slots on both sides of the receiver. The trigger guard is hinged and may be pulled down in front, to unlock the slide-engagement in front. The slide can then be drawn back, tilted, and shoved forward until it clears the barrel. This takes about a second.

The safety lever, the magazine-release button, and the guard hinge are all on the frame behind the trigger. The well-shaped, checkered, walnut stock, large, hand-filling, and curved to fit the hand at all points, feels comfortable and secure. There is a generous, smoothly curved thumb-rest on the left side. There are two stock screws. Two screws hold a walnut block to the bottom of the magazine and extend the latter neatly to the bottom of the stock.

The pistol is beautifully finished, but odd in appearance on account of the irregular balance-weight. The front sight is mounted in a low, neat ramp, and is adjustable for elevation. The rear sight is dovetailed into the slide, and is adjustable laterally. The square-shape or Patridge-type system of sights is used, with a sighting radius of $9\frac{1}{4}$ inches. The pistol is about $10\frac{3}{4}$ inches overall, and less than 2 inches in maximum thickness.

With Kant Splash .22 Shorts, on the first trial we got from 83 to 88 at 50 yards. With old Lesmok Shorts we equalled these scores, but found the wind a real handicap on account of the deep, flat balance-weight. We averaged above 90 over the 3-stage course, because the pistol came into its own at quick fire. We dropped but 6 points at 25 yards. This high-scoring performance bests our other pistols.

THE COLT MATCH WOODSMAN has been due for a long time. Now here, it incorporates the features which target shooters have requested or built into their own Target Woodsmans. The barrel is heavier, the stocks are larger



Above: The .22 Short Model Walther Olympia pistol came in a box with an extra slide



Right: The slide is quickly removed by pulling down the trigger-guard and unhooking it as shown

CAL. PISTOLS

NESS

and longer, the trigger is grooved and straighter, the pull has less creep, slap, and clatter, and the sights have been improved. In front, a strong, straight, fixed, flat-face, square-top, Kelly sight is standard, and $9\frac{1}{4}$ inches to the rear is a fully-adjustable rear sight of the Stevens type, as is used on the Ace and National Match models by Colt. The whole weighs 36 ounces, or 7 more than the old Woodsman. The new price is \$41.50.

This added weight is largely in the $6\frac{1}{2}$ -inch barrel, which is as deep and flat and straight as the frame where the two parts meet. Forward of the frame it soon abandons its straight bottom line with an abrupt curve upwards, from which new point it tapers toward the muzzle. The graceful sweep begins too abruptly to be pretty, and the flat of the barrel makes the frame appear excessively long. The gun is more attractive than its pictures would indicate.

With the new long stocks the balance feels right, located as it is at the point of the trigger. The wide, grooved trigger, with its straighter shape, is as definite an improvement as the added barrel weight. The preliminary take-up movement is a scant $\frac{1}{32}$ -inch, followed by a crisp let-off, after a further movement of fully $\frac{1}{16}$ -inch. The total trigger-movement is just $\frac{3}{32}$ -inch. The pull weighed nearly $3\frac{1}{2}$ pounds, which we reduced to less than 3 pounds after shooting it. The action is hand-finished, but we treated it with Moon's Sleek, which is a fine, semi-liquid graphite lubricant like Smoothie and Gunslick.

The new Match Woodsman stock is a one-piece affair made of walnut and fastened with two screws. It extends below the magazine, and flares in width at the bottom, which is left open to facilitate removal of the magazine for reloading. This stock should appeal to those who have large hands. It is long enough for wide hands, and the trigger-reach is great enough for long fingers. At the same time medium hands will have no great trouble with it. Even shooters having small hands can adapt their grasp to make it practicable. It is handsomely checkered, but its shape is ugly. In shooting we found we could get off our shots in the right spot at the right time. We were shooting in the wind, but averaged above 90 over the three-stage course.

We had expected to be satisfied without resorting to special stocks. However, after making a top score of only

85 at 50 yards, we not only reduced the pull but put on Strine stocks. Now we expect to like the gun much better, and are confident of improving our initial scores. Both Dewar Match and Super Match target ammunition functioned well in this pistol. We held off at two o'clock and fought a gusty side wind, so that no consistent grouping could be expected, and we shall report on the accuracy later. The Strine stocks fit as well as on other Woodsman pistols, the metal parts being the same.

The new features include stippled or non-glare finish on the fixed front sight, on the top of the barrel and slide, and on the back of the slide and frame. The trigger action has been changed to remove a great amount of the backlash formerly encountered in Woodsman pulls. The balance and weight have been improved. The stock is better for wide palms or large hands. The sights are better. The appearance is not nearly as attractive as formerly, on account of the poorer lines of the new barrel and stock. The new Match Woodsman has its angles and curves, but it is not trim. It is a better pistol on the firing line, but it is not in the class of the Pocket Woodsman for all-around use, in the woods or as a side-arm.

THE SERVICE MODEL ACE was fully described by Colonel Hatcher in THE AMERICAN RIFLEMAN for June, and since then we have had many questions about it. The makers assured us they would be prepared to make deliveries of this new .22-caliber Colt pistol in July, and, to prove it, they sent us one of them together with a complete Conversion Unit for our own .45 pistol. These parts cost \$34.00, and the complete pistol costs \$60.00.

I particularly like the idea of converting one's own familiar National Match pistol or Service pistol to a .22-caliber for practice or training purposes, and, accordingly, I favor the less-expensive Conversion Unit, because the identical grip and trigger are thereby maintained. On the other hand, all Colt .45 pistols are very much alike, and the complete Service Model Ace pistol would be about as desirable, especially if its trigger-pull and sights are made to match those of the owner's National Match .45.

Because .22 Long Rifle ammunition is so much cheaper than .45 pistol cartridges, those instructors who undertake intensive or extensive training and those shooters who practice assiduously will find that the differential in ammunition cost will have soon paid for the .22-caliber parts or pistol. The floating chamber of the Service Model Ace is, of course, the crux of the design of this .22 pistol, because it multiplies



Above: Though not handsome, the Match Woodsman is not ungraceful, and it is a natural pointer. Left: The new Match Woodsman has a very large hand-filling stock

the back-thrust of the small .22 load and allows a heavier action slide and recoil spring to more closely match those of the .45 pistol. This makes it more valuable for training practice or as a companion arm to the .45 pistol, as compared with standard Colt Ace, which is principally useful for slow-fire practice because of minimized recoil disturbance.

The standard Ace might be a better choice for those who want a companion piece to their .45 pistol which will give them the highest possible .22-caliber score. More than one pistol shooter who has tried the new Service Model Ace has told me he would expect to make higher scores with the old Ace, probably on account of a more refined trigger pull in his individual Ace. This is probably a well-based belief, but I believe the scoring difference in favor of the standard Ace will be a slight one, especially after both models have been carefully overhauled and improved by an expert pistol-doctor, such as L. L. McDonie, J. D. Buchanan and others.

For high-scoring in the three-stage matches both Ace models are definitely outclassed by other .22-caliber autoloading pistols, such as the new Colt Woodsman, new High Standard and new Walther. These latter, of course, are purely target pistols and not training or companion arms for Service pistols. In my own experience I can average 90 over the N. M. course with this type of target pistol, but not with either model of the Ace, because I can reach 90 at 50 yards as easily with the target autoloader as I can achieve an 85 with either Ace.

We tried to put the Service Model Ace parts on various Colt pistols. This Conversion Unit would not go on the Super .38 Colt pistol. It went on the old Ace frame, however, and, with the new magazine, we fired it, getting normal functioning and normal scores, at 50 yards with Peters Dewar Match ammunition. I would not advise doing this, and particularly not with any high-velocity cartridge, on account of the possibility of a flare back through the ejector-clearance recess in the Service Model slide which the Ace frame fails to fill. My National Match .45 had been tightly fitted up by McDonie and it would just accept the Service Model Ace parts but not function with them. Barr's National Match was standard and did function with the new Conversion Unit installed on its frame, although it was somewhat sluggish and required the heavier .22-caliber loads. Western Super Match functioned fairly well but did not force back the slide sufficiently in either force or distance to lock the action open after the last shot. High-velocity loads worked fine in it, irrespective of brand. We tried Federal Airline, Peters Wimbledon Match and Remington Palma Hi-Speed. With the latter I had impacts too low to score, but fine groups of less than five inches shooting both new Aces, at 50 yards offhand.

In the complete Service Model Ace pistol Super Match functioned perfectly and gave me an 80 at 50 yards holding in center. In this gun Wimbledon Match gave me an 82 holding at 6 o'clock. My final score using all loads mixed made 84. I shot only one score with the Conversion Unit on Barr's pistol and it made 78 with Wimbledon Match. I regularly score 78 to 84, inclusively, with the .45 pistol at 50 yards, and the Service Model Ace proved to be an equivalent substitute. If first-session scores are indicative this .22-caliber equivalent is a success for its intended purpose. In military circles it should go far as a training weapon.

What makes the new .22 Colt Ace so important and valuable as a training pistol is its close approximation of the .45 pistol in recoil effect and disturbance. This, in turn, is accounted for by the heavy .45-weight action slide and recoil spring. Against the hand and arm the back thrust is appreciably less than that of the .45 pistol. However, the jar to the arm and the disturbance to aim imparted by that heavy slide as it slams forward is very nearly that of the .45

pistol and makes the Service Model Ace seem like the real thing.

It does not, however, fully match the recoil-disturbance of the .45 pistol. Quicker recovery and aim is possible with the Service Model Ace. We demonstrated this on the "Chase Hit" five-bull target at 10 yards. This copyrighted target is obtainable through its designer, Earle M. Chase, 458 Bridge Street, Springfield, Mass. The outside scoring circle is 8 inches and, with centers spaced 8 inches apart, these five outer circles touch. There is a $3\frac{3}{8}$ -inch black bull's-eye in the center of each, which scores 10. The $5\frac{1}{2}$ -inch 9-ring separates it from the 8-inch 8-ring. Hits on the paper which fail to touch the 8-ring score as misses. The gun is kept below or above the target until time is started at the command, "Fire"!

We used a time-limit of 5 seconds, or one second per shot. I marked the passage of each second, by counting, audibly, "1-2-3-4-5". At each count Barr fired a shot at each succeeding bull with the Service Model Ace, moving from left to right. We then repeated from right to left, and he had dropped only three points. From past experience with several .45 pistols in similar games he knew it would be quite impossible to duplicate his performance with any .45 pistol or revolver. As a matter of interest Barr dropped nine points with the standard Ace, and I dropped four points with the Walther Olympic model .22-Short pistol. With the latter pistol I succeeded in cutting the time, per five shots, to three seconds and dropped a 10-shot total of seven points in that time. It would be quite impossible, for me, to duplicate this with the Ace pistol.

We also compared these pistols over the National Match course. With each of them I had the same slow-fire total, or 84 at 50 yards. Also with each of them I had my highest score in the rapid-fire stage. The odd thing is that the old Ace with its light trigger-pull equalled my .45 score, with a 253, while the Service Model and its heavier trigger-pull bested it, with 264. Very apparently, it is an appreciably better gun, like the old Ace, for making scores than the .45 pistol which it would duplicate. At least it is definitely easier to score reasonably well with the S. M. Ace over the N. M. course, as compared with the .45.

The new S. M. Ace frame is the same as the .45 frame. The old Ace frame does not have the ejector, but is identical otherwise. We may expect the Colt factory to bring out a .45-caliber slide and parts to fit the old Ace frame. This will be done as soon as production shall have caught up with the demand for the new Colt models already announced.

NEW HIGH STANDARD PISTOLS were forecast by the Dope Bag early this year, and pilot models "A", "D" and "E" were briefly tried and promptly returned to the factory a couple of months before they were officially announced in the May advertisement. The lightest of the new ones is the Model A which weighs 36 ounces and balances $1\frac{1}{2}$ -inch behind the trigger. Our own choice is the middle one, Model D, which weighs 40 ounces and has its balance point right at the trigger. The choice of match competitors, apparently, is the Model E which weighs 2 ounces more and balances $1\frac{1}{2}$ -inch forward of the trigger. This model gave a good account of itself at Camp Ritchie. In fact, all High Standard pistols barrelled under the supervision of Eric Johnson have been very accurate.

The worst that could be said of the new ones is that the sights and triggers and magazines, although practical as now made, could be somewhat better. They are very satisfactory in balance and grip and weight and accuracy for high offhand scoring. They have longer, and really excellent, checkered walnut stocks, better pulls and adjustable rear sights. Also, there is a slide-lock which keeps the action open after the last shot from magazine has been fired.

THIS MUSKETRY BUSINESS

RECENTLY the air over American rifle ranges has again been filled with the century-old argument concerning the relative wisdom of individual marksmanship as compared with mass firing. We are hearing again the old familiar strains of the tune, "If enough people shoot enough rounds in the general direction of the enemy they will accomplish more in the way of casualties than will individually aimed shots from more expert marksmen." The British Army held to that theory until they encountered Jackson's long-riflemen at New Orleans. Later, both the British and the Americans reverted to the theory—until the British encountered the Boers, and we ran into the elusive targets furnished by Spanish Regulars and Filipino Insurrectos. Of late, with a majority of the field officers who saw active service in the World War passing out of the picture, and a new group of theorists arising, the old theory has again been brought to light in both the British and American Armies.

The Camp Perry program has been criticized for laying too much stress upon individual marksmanship and not enough upon musketry. It is accordingly interesting to note that the *N.R.A. Journal*, official organ of the National Rifle Association of Great Britain, in its issue of June, 1938, has the following to say:

Recent changes in infantry armament, the addition of many new weapons, and particularly the wide adoption of L.M.G.s., have modified the employment of rifle fire, though not its importance, in war.

Prolonged bursts of rapid fire generally have become the *métier* of automatic weapons, but accuracy combined with rapidity of aim and "let off" with ability to pick up difficult targets appearing in different places and for very limited times, are as necessary—even more necessary than ever.

In their most expert form these are the "shooting" attributes of the skilled sniper, and the super-accuracy cultivated by the Bisley marksmen could readily be adapted to fill that rôle were they familiar with the use of telescopic sights.

With the exception of the McQueen Competition, which has been a regular, if small, feature of our Meetings since the war, very little attention has been paid to rifle shooting with telescopic sights in this country since 1918. On the Continent the use of such sights for all sporting purposes is almost universal, and they are also extensively used with other rifles; consequently such countries possess a large reserve of potential sniping personnel and equipment.

The official rifles issued to units are the P.'14 pattern fitted with telescopes, having an excellent field of view and power; up to the present, they have not been taken into use to any great extent, but the training of the expert sniper is now engaging the close attention of the military authorities.

To encourage the use of telescopic sights, the National Rifle Association is instituting a further sniping competition—The Sniper—at this year's Meeting; it will be staged alongside the McQueen. On a classification range and at fixed distances during a congested rifle meeting, conditions must necessarily be somewhat artificial and be confined entirely to the shooting side of a sniper's duty; nor is it possible to encroach too much upon the space required by other competitions this year.

No one has ever questioned the wisdom or necessity of mass-firing problems after each soldier has been taught individual marksmanship. However, attempting to teach an army effective mass firing without first teaching the individual soldiers the principles of accurate individual marksmanship strikes many of the officers who have seen active service as resembling the effort to create a successful football team without first teaching the men how to handle the ball, how to block, and how to tackle.

DO YOU WANT IT?

Editor, THE AMERICAN RIFLEMAN

DEAR SIR,

I am considering the possibility of undertaking the manufacture of an up-to-date single-shot action for center-fire cartridges, providing there is sufficient demand to justify my doing so. Personally, I feel that there is a crying need for such an action. However, it is possible that this is

purely personal opinion. I should like to determine whether there are enough shooters who are interested in single-shot rifles to justify the tooling-up required to produce actions of the Farquharson type at a reasonable price. Accordingly I am writing you with the thought in mind that you may consider the project of sufficient merit to warrant giving this letter space in the pages of THE AMERICAN RIFLEMAN. If so, I should like to hear directly from all who may be interested.

(Signed) JOHN LEB. ARBUCKLE,
1291 Sunbury Road,
Columbus, Ohio.

WHY ALIBIS?

(Continued from page 27)

boat racer who files down his connecting-rods in an effort to gain more speed?

As to the fifth class of alibis, the one which does not even attempt to blame faulty gun or ammunition—with an alibi rule which says that a man who has not fired any shots at all will be permitted to have an alibi run: there is an alibi and a rule that I never have been able to understand!

More care is probably taken in pistol shooting and rifle shooting than in any other sport (with the possible exception of horse-racing) to make sure that every competitor is ready before the match begins. We are called onto the firing line, generally after having been warned to get our equipment together on the ready line. Usually we are allowed more than enough time to get set up, then we are asked if we are ready, with the familiar queries "Ready on the Right" and "Ready on the Left." If we are not ready, the whole line is kept waiting for us. Why, then, is there any reason under the sun for a man to stand with his gun in the "Raise Pistol" position following the command "Ready on the Firing Line," and nonchalantly let all the other competitors blaze away while he looks at the scenery and then claims the opportunity to shoot an alibi run because he did not fire a shot when everyone else was shooting? Did the gun slip in his hand? Did he notice at the last minute that the sight black was rubbed off his front sight? Did he find a vagrant pebble under the sole of one shoe? Or did he just happen to notice that a puff of wind came down the range as his pistol arm was extended toward the target? To me, this rule honestly is as silly as to say that umpires should not be allowed to call strikes on a batter unless he swings at the ball, or a race should be called back because one runner's spikes failed to hold when he made his initial spring forward.

I have done a good deal of talking to pistol shooters in the past year about this alibi business, and I find that a lot of them feel that it is being overdone. I have been pleasantly surprised, too, to find that after we have discussed the matter for a while most of them are willing to take their chances with the breaks of the game, the same as competitors in other sports. A lot of them have said that the alibi rule could be eliminated entirely. All of them felt that it could be tightened up considerably.

Why can't we iron out the causes of the alibis while we are practicing and shooting on our home ranges, and then take our chances at Registered Shoots and National Championships, the way other sportsmen and athletes have to do?

Let's have some letters to the Editor discussing this thing called the alibi run.

BRIDGEPORT, CONN., AUG., 1938

Rifle Remington

RITCHIE STARS WIN

MICHIGAN TEAM BEATS OHIO BY 57 POINTS

Scores 3650 as 9 of 10 team members shoot Palma Match or Palma Kleanbore

CAMP PERRY, O.—Shooting in a driving rain and a 20 to 25 mile wind, the Michigan State Smallbore team won a decisive victory over Ohio at the recent Ohio State matches here. Ohio's 10-man team, (with nine men shooting Palma Match or Palma Kleanbore) scored 3650 against Ohio's 3593.

Because of the northeaster (which caused all other remaining events to be cancelled) the firing line was moved back to the sheds in the rear of the regular firing line. The actual range was about 83 yards, the match being fired on 50-yard targets set up on the 50-meter range. Considering the difficulties, the results show some very remarkable shooting. Members of the Michigan team include Vincent, Jackson, Heintz, Miller, Kirshner, Schwarz, Bozydlo, Wilson and Moor, all of whom used Remington ammunition.

Jacobs, Bozydlo, and Brummitt Win

Of the five individual events fired before the storm ended the shoot, Palma Kleanbore shooter H. H. Jacobs won two... the Preliminary Short Range with 393 x 400 and the 50-Yard Any Sight with 400 x 400 and 35 X's. B. Bozydlo of Detroit won the 100-Yard Any Sight with 400 x 400 and 27 X's, shooting Palma Match, and R. Brummitt of Pontiac, another Palma Match shooter, captured the 200-Yard Wimbledon with 193 x 200.

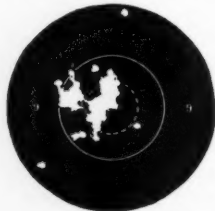
Mrs. Bledsoe and Chas. Askins Win Ariz. Pistol Events

TUCSON, Ariz.—Chas. Askins of El Paso and Mrs. Mary Bledsoe of Phoenix between them captured most of the Arizona events. Askins won the 50-Yard Slow Fire and the 22-caliber event over the National Match Course with Kleanbore ammunition. Mrs. Bledsoe won the Ladies 50-Yard Slow Fire and the Ladies 22-cal. National Match event with Kleanbore.



H. H. Jacobs of Dayton, O., who won two events in the Ohio State Shoot at Camp Perry using Palma Kleanbore ammunition.

THE TARGET OF THE MONTH



To George C. Shumaker of Alamosa, Colo., goes this month's honors for a string of 93 consecutive 10's at 100 yds. The 9's on the target are his first and last shot. George shoots a Model 37 and Palma Kleanbore.

Send in your "hot" targets to Frank Kahrs, Remington Arms Co., Inc., Bridgeport, Conn.

THERE'S ONE IN EVERY CLUB... LOCAL COLOR ARTISTS



12 OUT OF 18 EVENTS AT MISSOURI SHOOT WON WITH "PALMA MATCH" OR "PALMA KLEANBORE"

R. H. Dorian wins Championship

JEFFERSON CITY, Mo.—Scoring three firsts, one second and two thirds in individual events, R. H. Dorian of St. Louis won the championship at the Missouri State Association shoot here with an aggregate of 973 x 1000.

Dorian won the 50-Yard Individual Iron Sights with 396 x 400, the 100-Yard Individual Iron Sights with 384 x 400, and the 50-Meter Iron Sights with 393 x 400. He shot Palma Kleanbore in all matches except the first 20 shots of the 100-Yard event.

Many wins for Palma Kleanbore

Wm. M. Baumstark won the Wimbledon with 187 x 200, H. Strecker the 50-Meter Any Sight with 394 x 400 (shooting a Model 37), V. H. Carpenter and George Fester the 2-Man Team event with 776 x 800, all shooting Palma Kleanbore. Three of the four men on the Mt. Vernon Rifle Club team, victors in the Dewar Team Championship, fired Palma Kleanbore.

Bill Holmes of St. Louis won the 50-Yard and Dewar Junior events, and Louis Long of St. Louis the Junior 100-Yard match, both shooting Palma Kleanbore. Long placed second in the Championship Aggregate with a score of 965 x 1000. Alma Petelik of St. Louis won the Women's Dewar championship with Kleanbore.

"PALMA MATCH" AND "PALMA KLEANBORE" SHOOTERS TAKE 7 EVENTS AT DETROIT

W. Kenyon scores 3 firsts; Lord, Hansche & Claus Win

DETROIT, Mich.—"Palma Match" shooters Willis Kenyon of Michigan City, Ind., and E. Lord of Chicago played leading roles at the recent 3-day Eastern Michigan Smallbore matches here. Kenyon took firsts in three matches: the "Jackpot" 50-Meter Any Sight with 395 x 400, the Any Sight Dewar with 396 x 400 and 22 X's and the 50-Meter Any Sight with 396 x 400.

Lord won the 50-Meter Iron Sights with 396 x 400, the Iron Sight Aggregate, and was third in the Any Sight Aggregate.

"Wes" Hansche Wins

"Wes" Hansche of Racine, another Palma Match shooter, won the 100-Yard Iron Sights event with 396 x 400 and 17 X's, and scored second in the Any Sight Aggregate. George Claus of Cleveland, shooting Palma Kleanbore and a Model 37, was the winning team in the 2-Man event, and placed third in the Iron Sight Aggregate.

"PALMA" SHOOTERS WIN IN ENGLAND AND SCOTLAND

BISLEY, England—For the eleventh consecutive year, the British National Championship was won with Palma ammunition. The first 7 places in the championship were taken with Palma.

ALEXANDRA PALACE, England—At the annual indoor Bisley meeting here, Palma shooters won nine places in individual events and two team events. "Palma" ammunition was used by half or more of the winners in two additional team matches.

AYR, Scotland—"Palma" shooters captured ten individual events at the National Scottish meeting here. Half or more of the team members in the winning teams fired Palma.

WITH REMINGTON

SPECTACULAR WINS WITH "PALMA MATCH" AND "PALMA KLEANBORE" FEATURE EAST'S BIGGEST OUTDOOR SMALLBORE MEET

Randle, Tetzlaff, Lambert, Kuhn and Summerall stand out against keen competition.

Palma Match" shooter Thurman Randle won the Palma Individual, ranked consistently high, finished third in the Aggregate.

Clarence Tetzlaff, winner of the 100-Yard Iron Sights event with that grand combination, Palma Kleanbore and Model 37.



D. Lambert won the hard fought 100-Yard Any Sights with Palma Match ammunition, scoring 27 X's to outrank F. C. Hoppe and Thurman Randle.

(Left) W. J. Summerall (Palma Match) and (right) Fred Kuhn (Palma Kleanbore) won the 2-Man Dewar. Fred also won the 100-Yard Stage of Eastern Individual.

HOT TARGETS POUR IN AS SHOOTERS WIN REMINGTON 10X BRASSARDS

Hot targets are still streaming in! Three shooters win Remington 400 x 400 brassards—Mary Unterlander of Bethlehem, Pa., (who also won a 10 X Brassard), Fred Clemens and John Stahl of Northumberland, Pa.

Many fine 10X possibles were received, including several made with Remington's new Hi-Skor ammunition. Brassards were awarded to Hugh A. Kelly of Etna, Pa., Roy Schwarz of Detroit, S. W. Church of Norwalk,

Conn., E. J. Stephensen of Honolulu, Hawaii, Francis King of Fond du Lac, Wis., A. R. Pryor of Birmingham, Ala., Elmer Depew of Pasadena, Calif., Gerald Day of Hamilton, Ind., Wm. M. Baumstark of Webster Groves, Mo., Ralph L. White of Springfield, Mass., A. E. Gartner of Chillicothe, Ohio, E. B. Gehring of Oakland, Calif., J. B. Prince of Birmingham, Ala., J. L. Dalzell of Wyandotte, Mich., C. F. Lander of Bangor, Me.

CAMP RITCHIE, Md.—Hot competition and close scores featured every match at the Eastern Smallbore Championships held here recently.

In the 100-Yard Individual Any Sight, Palma Match shooter R. D. Lambert took first place with 397 x 400 and 27 X's. F. C. Hoppe, shooting Palma Match and a Model 37, and Palma Kleanbore shooter Thurman Randle also scored 397's, but were ranked second and third with 24 and 23 X's respectively.

C. Tetzlaff took the 100-Yard Individual Iron Sights with 396 x 400 and 21 X's, shooting Palma Kleanbore and a Model 37. Thurman Randle won the Palma Individual with 224 x 225 and 35 X's, was second in the Spencer with 191 x 200, and ranked third in the Grand Aggregate with 1107.

Fred Kuhn and W. J. Summerall took the 2-Man Dewar with 798 x 800 and 45 X's. Fred, shooting Palma Kleanbore and a Model 37, also ranked second in the Iron Sights Aggregate with 1979 and 99 X's. Summerall used Palma Match.

In the Eastern Individual, all three stages went to Remington shooters. G. W. Thompson, shooting Palma Match, won the 50-yard stage with a 10 X possible. Fred Kuhn won the 100-yard stage with 100 x 100 and 9 X's. E. A. Dockstader took the 200-yard stage with 100 x 100, shooting Palma Match.

Hinds Wins Pistol Events

S. R. Hinds took the .22 Timed Fire Individual, and teamed with G-Man W. R. Walsh to win the .22 doubles event over the National Match course. A. L. Burtner captured the Police Individual Championship over the National Match Course, scoring 90, 93 and 96 for a total of 279 x 300. All three shooters used Remington ammunition.

Weather Clear but Windy

Fine weather prevailed during most of the match. The wind was a little tricky, especially during the Swiss Match, when one gust put half the firing line out (Palma Kleanbore shooters finished 2nd, 3rd, 4th and 5th, however). Several matches were raised from 20 to 40 shots to give more competition, and there was some scrambling for extra ammunition. In all in, it was a grand shoot—as Ritchie always is!

POSSIBLES and IMPOSSIBLES

by FRANK J. KAHRS



I have been corresponding with Captain Robert C. Andrews of the 27th Infantry, Schofield Barracks, Hawaii, for some time. He tells me about small-bore rifle shooting on the Islands, which was stirred up considerably by the visit of our old friend Goldsborough from California. "Goldie" was over there last year with his Model 37 Remington and showed the boys a lot about smallbore shooting. As a result there are quite a few Model 37 rifles on the Islands and much increased interest.

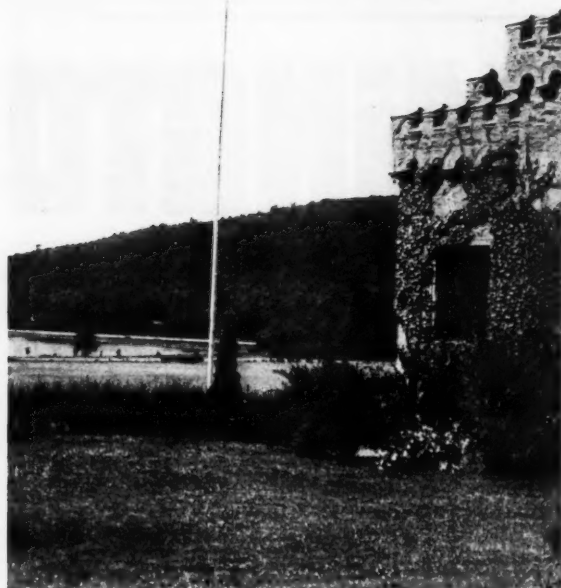
They shoot the Dewar course there, Captain Andrews tells me, running off around 396 and 395 quite frequently. There will be a National Guard and Civilian Team from Hawaii at Camp Perry this year. They are trying out now.

My old friend Major Gwilliam of Bloomfield, N. J., Secretary of the Orange "Y" Rifle Club, competed in the Passaic County Championships recently and won the Grand Aggregate with a total score of 991, being 399 for Match No. 1 over the Dewar with iron sights; 397 in Match No. 2 Dewar any sights; 195 in Match No. 3 at 200 yards with iron sights. Nice going—all with Palma Match VEEZ-73, in other words, the wax lubricated bullet.

Had a letter the other day from Harmony, Penna., indicating that all is harmony in the Zelenople Rifle Club because two of its members, Roy McWithey and D. C. Wiser, have scored 400 x 400 over the Dewar Course in the N. R. A. Interclub Postal Matches with Model 37 rifles and Palma Kleanbore ammunition. Two other members, L. N. Smith and Hans Schmid, scored 399 each for a total of 798 x 800. We agree with these gentlemen that the Model 37 Rangemaster and Palma Kleanbore are a hard combination to beat.

We've been getting great reports from shooters on the new Hi-Skor ammunition. Jim Noxon of Milflinburg, Pa., writes that he and Fred Clemens did some experimenting with surprising results. Jim says "the stuff had very little vertical, and we had no wild shots at all, nor any unaccountables."

Wish I had room to show you the swell 10 X possibles made with Hi-Skor by Francis King of Fond du Lac, Wis., and by Hugh Kelly of Etna, Pa. Take my word for it, boys, that stuff shoots!



TWO GREAT SHOOTS

By BILL SHADEL

*A glimpse of Camp Ritchie
among the hills*

Eastern—(Camp Ritchie)

THE STORY of Ritchie has been told many times. The range accommodations improved again this year as in every year past; the beauty of this spot nestled as it is in the foothills of the Blue Ridge Mountains with its spring fed lakes reflecting the wooded surroundings; the gayety of the fourth of July holiday weekend; the sociability of club house evenings; the kibitzers; the hangers-on and vacationers of the well-appointed camp; and there has always been top flight competition. But this year there remains to be told an unusual story of a close-holding, wind-doping, groove-finding five day grind.

Highlights there were, too, to break the serious gunning among the boys. G-Man Walter Walsh, tired of his runner-up position in the two previous days, proceeded to disregard established scores and flaunted a new all time high of 298 over the Camp Perry course with the .38 caliber revolver; boosting the old record two points by virtue of a possible in the slow fire, another in the timed fire, and a rapid fire fifty in his first string, with a forty-eight for his last string.

A radio program over the Mutual Broadcasting System's coast-to-coast network, through WFMD, the Frederick, Maryland station, built around the .45 caliber National Match course, the last match and the deciding one for the All-Around Pistol title, gave the Fourth of July schedule added significance. There was a movie in the club house one evening with a Frank Kahrs Travelogue eclipsing many of movieland's best efforts. And there was a business meeting, of course, with new officers vowing a greater eighteenth annual Eastern Meet.

"The East's outstanding target shooting competition, the Eastern Small Bore Rifle and Pistol Matches to be held at Camp Ritchie, Maryland"—that's the way this affair was billed and so it was—this seventeenth annual meeting.

If Names make news, this is a five star final. Only the labels attached to the unsuspecting rifle and pistol stars need be called up for proof of these headlines. Bill Schweitzer of Hillside, New Jersey, "1936 top ranking small bore rifleman;" Homer Jacobs, Dayton, Ohio, "defending his Eastern Rifle Championship;" Claude Westfall, Athens, Ohio, "Florida's Mid-Winter National title holder;" Bill Woodring, Alton, Illinois, "present National Champ;"

Thurman Randle, Dallas, Texas, "world record holder for consecutive bulls in the Swiss Match;" Charlie Hamby, "up from Atlanta, Georgia, with his Dewar course score of 400-38x's;" Bill Summerall, Waycross, Georgia, "winner of the British individual aggregate at Bisley, England;"—well there, you have not only the proof but incidentally some of the winners on the rifle range.

And the pistol—Sid Hinds, "All-Around Du Pont Trophy winner, Camp Perry, 1936;" G-Man Walter Walsh, "second in N. R. A. .22 caliber rankings;" Moe Wilson, "Sea Girt aggregate winner;" Paul Goulden "of the U. S. Coast Guard second place Camp Perry team;" Joe Rivers, "Connecticut's ace;" Herb Amundsen, "N. R. A. Director;" Lee Echols, "the harmonicizing sharpshooter."

Of course there were exactly 362 others who should well be mentioned for that was the total registration. They all contributed their part in worrying the leaders; threatening at all times but dropping an x or throwing a nine here and there to join the also-rans. There was a hard working Connecticut statistical force of Eric Bolton, Herb Dingee, Clarence Russ, Russ Lent, too—but that's another story.

Bulletin readers the first night were not surprised to find due notice being served up as to the serious intent of the rifle lads. Heading the list of six 409 possibles was Bill Woodring's 33x's, but if anyone thought Ritchie shooting was to bring out a super man to head the successive bulletins, they were due for disappointment. Bill Schweitzer with one of those possibles in the first match, started his bid for the two aggregates, an iron sight aggregate in which the first match was to be counted, and the Grand Aggregate. But Schweitzer in all his consistent shooting could not climb to the top of the heap for any one match. Without winning a single event, but undisturbed by the luckless outrankings in the count of x's, he continued to pound the x and ten ring for the highest aggregate total, a 1110, to lead Dave Carlson by three points. And to make a clean sweep of it, he also coupled to his fame, the Irons Sight Aggregate, made up of matches 1, 8, 9, 10 and 12.

Thurman Randle in third place but tying Carlson's 1107 total, won that famous Palma individual, much to his liking to show the only first for the top four aggregate places.

And Jim Lacy was the only one (aside from Schweitzer's two aggregates) to hang up two first places out of the entire

field of eighteen matches. His score was 299 with 22 x's won for him the Eastern Individual match, and a 399 with 20 x's gave him that coveted all expense trip to the National Matches in the Camp Perry Special event.

The highly touted team rivalry between New Haven's Quinnipiac and New Jersey's Fenmore Club ended in a draw and a division of spoils, with Fenmore taking the Eastern 50, 100 and 200 yard stages and Quinnipiac winning the Palma Team match 150, 175 and 200 yard stages.

Helen Jenkins of Columbus, Ohio, with heavily bandaged head as a result of an auto accident, went ahead to win the Junior Championship with a 200 possible for the 50 yard course.

In keeping up with a bit of pistol range drama, the battle for the Eastern All-Around Pistol Championship which was based on the individual national match course scores of the center fire match fired on Friday, the .22 on Saturday and the .45 on Monday, it was interesting to follow the changing of positions among the leaders during the four days. Paul Goulden of the Coast Guard with the top score for the first day, led the aggregate seekers over Walter Walsh in second place and Roger Scott of Washington in third. After the .22 caliber contest, M. O. Wilson of the Coast Guard moved up into third position with his winning score for the day; Goulden and Walsh still holding to first and second.

In the finals with the .45's it was Wilson again, with a 274 which put him definitely out in front to alter the final All-Around line-up to read: Wilson first with 838; Goulden second with 833; Scott, with a 264 in the last match, moved up into third place, two points ahead of Walsh in fourth with 825. The aggregates each day also helped to determine the outstanding individual performance for the day.

The Philadelphia Police team marked up the best team performance with two first places and a Police Doubles on the part of Rhoades and Corr. It was fine to notice return to tournament competition of Pennsylvania Motor Police after several years lay-off. (Other scores on page 36.)

Major General Hugh A. Drum (center) with Wm. Woodring (left) and Major F. W. Parker, Jr. (right). General Drum has just presented Woodring his NRA national ranking award for first place in the 1937 standings



Midwestern (U. S. Grant Memorial)

The tournament, which was last year declared to be the most successful first year tournament in the history of the shooting game, in its second year not only held to its well founded purpose of establishing a Mid-Western title match but also gathered about it some maturity as to range facilities and personnel to place it in the annual calendar of events as one of the great regional tournaments.

Still young enough to be pliable in its program arrangements, and unhampered by traditions of former programs, it showed its youthful characteristics in its willingness to try new trends of program design. Apparently the shooters were also willing to try something new, for with entry fees upped 100 per cent to insure against the deficit last year, the registration list showed 228 willing to gamble on the U. S. Grant Memorial Matches' hospitality and good intent.

The rifle program as described under "Coming Events" in the June RIFLEMAN was set up for all any sight shooting the first day, Friday. The second day it was all iron sight shooting over the same courses of fire; three popular matches each day as open events, with one medallist and one restricted match in addition. While these matches carried their usual significance of places and medals, they also served as qualifying rounds for the iron sight and the any sight championships on the last day, the top ten from each match being automatically selected for the final shoot-off on Sunday. Provision for late comers was also made in two Dewar course matches, one any sights and one iron sights on Sunday morning in which the top ten were considered as qualifying for the championships of the afternoon. Consolation matches were run at the same time as the cham-



Going into action in the rapid-fire team match. From standing to prone position at the command

pionship finals in order to give the boys a last chance to get up among their luckier brethren.

As a result of the first day shooting with Any Sights, Bill Woodring, without a single first place, showed a total of 1192 for the three matches in the first day's any sight aggregate. But this did not rob U. S. Pershing team captain, Ned Moor, of his glory for the first two matches of the day, nor E. L. Lord's first in the 100 yards any sights, nor those top ten in each these three matches who had qualified for a chance in the finals.

The second day, Ned Moor likewise without a first place all day, collected a total of 1189 for the iron sight matches to prove his consistency for the day, ahead of Wes Hansche's spurt in one match, the Dewar, or F. O. Parker's lead in the 50 meter or Bill Woodring's first in the 100 yard event.

Putting the hot shots on the line Sunday afternoon then, the shoot-off showed, Arvel Franz of East Alton, Ill., on top with a 398 for the Any Sight Dewar course; H. E. Potter leading the Iron sight Dewar with a 398, giving Franz, the All-Around Championship, the combination of the two.

The pistol matches also carried out the separate aggregate idea. Friday morning was .22 caliber firing, Friday afternoon, center fire. The aggregate for the day gave George Paine of St. Paul, Minnesota, a 821 total in addition to his first place in the center fire National Match course. Gilbert Lee, of Minneapolis, Minnesota, won the Saturday aggregate without a first place showing in the separate events. An individual championship, based on National Match and Camp Perry courses of fire in the previous days which served as qualifying rounds for the medal winners of those matches, was won by Oliver Yanick, St. Louis Police Officer; the consolation match was taken by Charles Zarnes, Jr.

On the rifle range, the rapid fire team matches, so popular that they were run off at every lull in the program with more entries than could be taken care of, provided the show and the greatest gallery. This was the breaking of white discs, two to a man, three men on a team, with teammates cooperating in riddling the ovals. Whenever luck and skill got one team member's discs cleared off the board he could then turn to help his two partners in crime. The Rockford Rifle club seemed to hold the edge in this competition, getting so bold as to accept a challenge for an offhand match, with one disc to a man, and even winning that one.

The visit of Major General Hugh A. Drum, Commander Sixth Corps Area, and the ceremony of awarding four of the top ranking riflemen attending this meet their All American Medallions with congratulations from the General; the splendid cooperation of the Chamber of Commerce, and the unlimited publicity through the Rockford *Morning Star* and the *Register-Republic*, the availability of radio time from WROK, Rockford, and WCLO in Janesville, Wisconsin; the hospitality of match headquarters in the Nelson Hotel; the tireless efforts of Ed McCanna as Range Maintenance Officer, as well as the other match officials; the hearty enthusiasm of all competitors for the range set-up and the matches in general; these along with many others, are the things which, after all the scores are posted and winners have collected their award for work well done, seem to establish in our minds the U. S. Grant Memorial Matches as the outstanding Mid-Western tournament.

Eastern Small Bore Championship, Camp Ritchie, Maryland

RIFLE

- 50 Yd. Individual—W. B. Woodring, 400-33x
- Eastern Individual Championship—Jim Lacy, 299-22x
- Eastern Team Championship—Fennmore Rifle Club, 1190
- Eastern Two-Man Team—J. C. Lippencott & R. D. Triggs, 778
- Palma Individual—T. Randle, 224-35
- Palma Team—Quinnipiac Rifle Club, 899-151
- Dewar Individual (B & C)—Mrs. L. L. McDonnie, 398-26
- Dewar Two-Man Team—F. O. Kuhn & W. J. Summerall, 798-45
- Camp Perry Special—Jim Lacy, 399-20
- 50 Meter—E. Pade, 397
- 100 Yard Individual—R. D. Lambert, 397-27 (Any Sights)
- 100 Yard Individual—C. Tetzlapp, 396 (Iron Sights)
- Eastern Junior Championship—Miss H. Jenkins, 200
- Spencer—W. S. Brophy, 192-26
- Long Range Individual—M. L. Eastep, 190
- Swiss—Dave Carlson, 20 bulls
- Individual Grand Aggregate—W. P. Schweitzer, 1110
- Individual Aggregate—W. P. Schweitzer, 1983

PISTOL

- Police Individual Restricted—George Eber, Baltimore Police, 256
- Police Double—J. P. Corr & John E. Rhoads, Philadelphia Police, 559

- Police Individual—B. L. Burtner, Pennsylvania Motor Police, 279
- Police Team—Philadelphia Police, 1145
- .38 caliber aggregate—Paul Goulden, Baltimore, Maryland, 849
- .38 caliber slow fire—B. F. Bean, Washington, D. C., 180
- .38 caliber timed fire—Paul Goulden, Baltimore, Maryland, 196
- .38 caliber rapid fire—Walter Walsh, Washington, D. C., 191
- .38 Individual, National Match Course—Paul Goulden, Baltimore, Md., 287
- .38 Two-man team—Cpl. M. Garr & J. A. Tumlin, U. S. Infantry, 571
- .22 slow fire—M. O. Wilson, U. S. Coast Guard, 188
- .22 timed fire—Capt. S. R. Hinds, U. S. Infantry, 199
- .22 Individual, National Match Course—M. O. Wilson —
- .22 Aggregate—M. O. Wilson —
- .38 caliber team, Camp Perry Course—Philadelphia Police —
- .22 two-man team—S. R. Hinds, U. S. Inf., & W. R. Walsh, Wash., D. C., 579
- .38 caliber individual, Camp Perry Course—Walter Walsh, Wash., D. C., 298 (new record)
- .45 caliber rapid fire—Paul Goulden, Baltimore, Md., 189
- .45 caliber rimmed fire—Roger Scott, Washington, D. C., 193
- .45 caliber slow fire—M. O. Wilson, U. S. Coast Guard, 177
- .45 caliber, Individual, National Match Course—M. O. Wilson, U. S. C. G. 274
- .45 caliber aggregate—M. O. Wilson, U. S. C. G., 825
- All-around Championship—M. O. Wilson, U. S. C. G., 838

U. S. Grant Memorial Matches

RIFLE

1. Dewar Course, any sights—E. N. Moor, 399
2. 50 Meter, any sights, 40 shots—E. N. Moor, 399
3. 100 Yards, any sights, 40 shots—Elbridge L. Lord, 397-20x
4. Dewar Course, restricted; and—Ernest Gardiner, 394-10x
5. Dewar Course, medallist classes; squadded concurrently, any sights—Frank Russell, 397
6. Any Sight Aggregate, includes scores in Matches 1, 2 and 3—W. B. Woodring, 1192
7. Dewar Course, iron sights—Wes Hansche, 399
8. 50 Meter, iron sights, 40 shots—F. O. Parker, 396
9. 100 Yards, iron sights, 40 shots—W. B. Woodring, 398-31
10. Dewar Course, restricted; and—Arthur Knudsen, 399
11. Dewar Course, medallist classes; squadded concurrently, iron sights—Lew N. Mason, 399
12. Iron sight Aggregate, includes scores in Matches 7, 8 and 9—E. N. Moor, 1189
15. Dewar Course, any sights—F. P. Parker, 399
16. Dewar Course, iron sights—Lew Bulgrin, 398
17. Free rifle, .22 cal., 20 shots off-hand and 20 shots prone, at 50 meters—W. B. Woodring, 373
18. Any Sight Championship, Dewar Course—Arvel Franz, 398
19. Iron Sight Championship, Dewar Course—H. E. Potter, 398
20. Any Sight, Consolation Match, Dewar Course—M. L. Kobler, 396
21. Iron Sight Consolation Match, Dewar Course—C. L. Wood, 397
22. All Round Championship, Aggregate of Matches 18 and 19—Bausch & Lomb Trophy—Arvel Franz, 794
23. Four-man Team, Dewar Course, any sight—East Alton Rifle Club, 1592
24. Four-man Team, Dewar Course, iron sight—E. Alton Rifle Club, 1585

PISTOL

31. .22 Cal. Slow fire, 20 shots, 50 yards—O. L. Wallis, 181
32. .22 Cal. Timed fire, 20 shots, 25 yards—James Newhall, 188
33. .22 Cal. Rapid fire, 20 shots, 25 yards—H. E. Priess, 191
34. Center fire, National Match Course—G. W. Paine, 268
35. Center fire, Camp Perry Police Course, Medallist—H. D. Brigham, 281
36. Center fire, Camp Perry Police Course, Restricted—Ralph B. Larsen, 274
37. Friday Aggregate, scores in Matches 31, 32, 33 and 34—G. W. Paine, 821
38. .22 Cal. National Match Course—F. D. Hagan, 289
39. Center fire, slow fire—G. W. Paine, 183
40. Center fire, timed fire—Oliver Yanick, 195
41. Center fire, rapid fire—Frank Stubits, 190
42. Center fire, National Match Course—Frank Stubits, 283
43. Center fire, Camp Perry Police Course, Medallist—O. Yanick, 294
44. Center fire, Camp Perry Police Course, Restricted—Fred Willen, Jr., 277
45. Police Pistol Team Match, Camp Perry Police Course—Missouri State Highway Patrol, 1091
47. Saturday Aggregate, scores in Matches 38, 39, 40, 41 and 42—G. W. Paine, 1102
48. .22 Cal. Camp Perry Police Course—E. J. Neumann, 296
49. Center fire, Camp Perry Police Course—Frank Stubits, 290
50. National Match Course, .45 Cal. service automatic—F. Stubits, 277
51. Center fire, Camp Perry Police Course, Medallist—O. Yanick, 289
52. Center fire, Camp Perry Police Course, Restricted—W. E. Frey, 275
53. Center fire, National Match Course, Ind. Championship—O. Yanick, 286
54. Consolation Match—Open only to those not eligible to fire in Championship Match 53—Charles Zornes, Jr., 254
55. Open Team Match, center fire, N. M. C.—Missouri State Patrol, 1096

OVER THE NEWS DESK

CLUB SUGGESTIONS

Every member doing his bit has been from the start the keystone of Marietta's successful bid for a place in the shooting world. The riflemen of Marietta have developed an organization that has now become a smoothly-running, well-ordered haven for Ohio's gunpowder-conscious citizens. This club, the one that constructed, without outside aid, the splendid and now famous "Golf Course Green" range, with its great expanse of grassy lawn, is Marietta's—

Fort Harmar Rifle Club

When the Fort Harmar Rifle Club was organized we were holding our meetings in one building and then another: Just where the boys could have the privilege of meeting once a month. We started by building a three position indoor range in the hallway of the basement in the Ohio National Guard Armory which they gave us for one night each week. This was all right at that time for the membership, but we grew too large for it, so much so that the boys could not shoot once around in the one night per week allotted to us.

So we faced the proposition, and started looking for larger quarters. We found several places that could be used by fixing them up ourselves but the amount that we would have to spend for this was too great and the City Ordinances governing shooting made it such that we would have too much money invested in other people's property and after a term of years we still would have nothing for ourselves but would be just where we started. We took a look at another angle of the proposition, that of buying a tract of ground not too far out of the City and equipping our own outdoor range, and erecting a building for the dual purpose of an indoor range and a club room.

So began the task of locating a plot of ground for our purpose. This was not so easily done as we soon found out. Property owners either did not want shooting in their neighborhood or would not sell for any reasonable price, but by a super display of salesmanship we finally purchased our present location of better than five acres of ground. It now is equipped for shooting at 50 yard, 50 meter, 100 yard and 200 yard distances, with a natural hill for backstop.

Then we started our house building program. First we drew plans and finally adopted the one that we thought would meet all our present and future requirements. Then came the question of material to be used. This was thoroughly tried out and we decided on a "poured" cement block, with a rough face for the main building and a smooth face for the corners, windows and doors; this to give the building a better appearance. Metal window sashes were used in all windows, and five-panel doors both outside and inside. The roof is asbestos shingle (four to a piece); in the timber of the frame-work of the roof there is nothing heavier than two-by-sixes with the bracing done with seven-eighths by six with $\frac{3}{4}$ sheathing, the cornice finished with plywood. The building is eighty-five feet long, thirty feet wide and eight feet nine inches high, all inside measurements. We have 35 feet of cement floor in at present and will finish the balance when our finances allow.

I will try to sketch the financial arrangements and costs of our layout. The cost of the block, \$900.00; roofing, \$150.00; lumber, doors and windows, \$600.00; the club room ceiling and partition, finished with grooved Celotex, \$80.00. We have installed 10X bullet traps in the building with individual switches at the firing line. We have one light at the firing point, four drop lights from the ceiling in the club room, with

several outlets in the walls. This work was let by contract, with the boys having the right to donate any work that they wanted to. They did contribute quite a lot of labor on this job. We solicited each member to find out the amount that he could give toward the undertaking and found that each member would give at least \$25.00 and that some would give \$100.00, so taking these free will donations we started our building program and then when it was finished borrowed \$1000.00 to pay all costs. We have at present reduced this to \$700.00. Our five acres and range equipment, grading, water well, labor and material cost us about \$2400.00; the total amount to put everything where it is today, \$4185.00, of which we donated the staggering sum of about \$3500.00.

As to the number of members who actively participate in the outdoor and indoor programs, we are now conducting Intra-Club Team matches (indoor) and are having ninety percent attendance. Our outdoor activity last year was about seventy-five percent and we hope to increase that this season due to the fact that we have about everything done (work). In regard to the mileage area of our membership, we have two very active members who are 35 miles out, four are 20 miles out, and the others are in the city or its immediate outskirts.

And so we have our range! It has been a long, hard pull for the members and strained backs (and pocketbooks) were the price, though that is over now.

We hold all of our meetings and social gatherings here and have in the same building an indoor range equipped with the latest type of shooting equipment and lighting fixtures that will enable the shooters to do not only their best shooting possible, but they may do it with the least physical effort or fatigue. These accommodations are not only for the members of the Fort Harmar Rifle Club but the indoor and outdoor ranges are available to any other Rifle Club in America that wants to use them. The club extends the invitation not only to the organized clubs but to any individual who is interested in shooting.—L. R. MILLER.

* * *

POSTAL MATCH SUMMARIES

Eighteen hundred shooters in one spot means a lot of fine shooting. But eighteen hundred shooters scattered from coast to coast have demonstrated that they can get just as high scores. From Experts and Tyros, Life Members and Juniors, targets have been pouring into the National Headquarters to be scored and ranked in the 1938 Outdoor Postal Matches. Records have fallen by the wayside, possibilities have become commonplace and many a fine tournament shooter has been surprised to find his name far down the bulletin list.

The new Tournament of Champions opened auspiciously enough with Guy D. Jones of Portland, Oregon, setting a new National Postal Record in the Any Sights match with his possible and a mere thirty-nine X's over the Dewar Course, in the State Championship stage of this event. And G. W. Moore shooting at Washington, Pennsylvania, paced the Metallic Sights shooters with his thirty-three X possible, also a new record. With the finals scheduled to end July 15, it looks like plenty of 1938 entries in the Record Book.

In other events over the short range course the X-ring took just as much punishment. Thirty-five shots in the inner circle with his possible won the Life Members Short Range Any Sight Match for Albert Pabst, Wallace, Idaho, sharpshooter, and strange as it may seem, brother Barney Pabst took first honors among the Eagle Riflemen with the very same score. From Cumberland, Maryland, F. W. Duke fired the only 399 in the Tyro Metallic Sights event while

(Continued on page 38)

TIMED FIRE with Bill Shadel

Again the Sullivan Law! Once more New York's iron hand policy toward firearms and the honest citizen has backfired—made of Gotham justice a laughing stock—done their police system irreparable damage in lost prestige, vanished confidence of the New York citizenry. Partly their fault in so stringently applying an already absurdly severe law, partly the fault of the short-sightedness of legislators responsible for the passage of such a measure, the case offers a sorry commentary on ill advised anti-firearms laws.

The farce had its start on an uneventful movie-bound New York City bus ride—uneventful until Mrs. Ethel Tananovitch noticed a loaded revolver, dropped by a previously departed passenger, lying at her feet. She picked it up, decided to turn it over to the police. Her husband came along and together they found an officer on a street corner, explained the matter to him. To make it official the three went to the precinct station, expecting the matter to end with an explanation to the Lieutenant on duty.

And now—here, before the police desk, was Mrs. Tananovitch, carrying a loaded revolver, and in the company of an officer. True, she had come to turn it over to them, the police, but that didn't matter. She had no right to carry it, was breaking the law in even picking it up. So she was jailed—jailed and all that the word implies—mugged, fingerprinted, the line up and finally hauled to court next morning. Fortunately, the Magistrate promptly gave her an "Honorable Discharge". But that hardly compensated for the fact of a night in jail.

As columnist C. B. Driscoll sums it up, "I do not believe the Sullivan anti-gun law has ever kept one criminal from one single crime. I've known many criminals, and none of them ever paused to read the laws about gun-toting."—And we don't either!

* * *

There's a real story back of those two consecutive national titles of the Munhall, Pa. high school squad we found in a visit with T. T. Charlton over at the Cleveland German Rifle Club matches last month. Incidentally, we were glad to see T. T. (the high school prof.) win the aggregate to prove he can shoot as well as talk about it. With the expert help of the charming Margaret Markey, an instructor in the school, rifle shooting has been made the most intensive and interesting sport in the school. As national champions, these girls have fired a string of possible scores week after week, that should make good copy for some advertisers, who have apparently passed over this sure bet. They're attractive—these girls—they're experts, they're enthusiastic and hard working.

* * *

Attention New York and New England muzzle-loader fans: If you have one of the old smoke-sticks hiding in the attic, get in touch with Eric Bolton, Cos Cob, Connecticut. The Cos Cob Club is promoting a shoot in September for the old timers. There'll be matches at 50 and 100, for flintlock and caplock, so get out there and see what the old charcoal burner will do.

POSTAL MATCH SUMMARIES

(Continued from page 37)

Tyro Charles Noles of Lewis Run, Pennsylvania, ran off a 25 X possible score with his scope.

At the International 50 Meter range S. C. Pipes hailing from West Monroe, Louisiana, out-ranked Fred Johansen of Joliet, Illinois, in the metallic sight division. Both came through with scores of 398. And, once again, Guy Jones set a new postal record with his perfect 400 with any sights. Tyro H. E. Gass from Vandergrift, Pennsylvania, won the Tyro Metallic Sights Match at this range shooting the same score as that which won the open event. The 399 of Edwin Muhahy, shooting at Grass Valley, Calif., deserved the gold medal for scope-sighted rifles.

Among the Junior shooters competition was equally keen. In the fifty foot event William Cooper of Lawrence, Mass., and August Westergaard of Whiting, Iowa, turned in possibles among the Class A shooters. In the shoot-off the New Englander's 147 bulls won out over Westergaard's 114. Wallace Allan, another Westerner from Alameda, Calif., was at the head of the list of Class B with 495 while the Class C award went to George Smith of Los Angeles, for his 499. Strangely enough the first two places in Class C outranked the winners of Class B. Another new record was made by Ralph Mezger of Ossining, N. Y., when he shot the very nearly perfect score of 200 with 19X's in the fifty yard match. The 15X possible of Norman Yingling topped the list in Class B while George Smith again headed the Class C shooters with his 196. The new one hundred yard match for Juniors got off to a fine start with four possibles but Bob Lausten found conditions at Port Clinton, Ohio, enough to his liking to get eighteen of his shots in the X ring. Merrill Sappington succeeded in getting his 196 in Barnesville, Georgia, and winning a gold medal for Class B while the award in Class C went to the 192 of Edward Reichert, Arlington, Va.

Enthusiasts of the handgun game had eight matches in which to show their prowess with the short barreled weapons. That they did a fine job of doing just that is well illustrated by the published results.

With the .22 Caliber men the honors were evenly divided among Frances Z. Johnson of Waupaca, Wisconsin, Vincent Brooks of Trenton, New Jersey, and Herman Steingass of Baltimore, Maryland. Johnson won first place over the National Match Course with his 287; Brooks' 384 was good for the gold medal in the fifty yard slow fire event, and Steingass fired a 395 to outstrip all other Tyros in the twenty-five yard slow fire event.

In the Center Fire matches Johnson did even better. His 290 over the National Match Course won the Open Championship and his 386 was the top in the 50 Yard Slow Fire shooting. W. J. Whaling's 287 over the Camp Perry Course gave him first place in the special event for Life Members. The two tyro center fire matches were won by Clyde J. Heinzer of Butler, Pennsylvania, and Sgt. C. E. Seiler of Miami Beach. Heinzer shot a 392 Slow Fire while Seiler's 285 over the Camp Perry Course was four points in front of the second ranking competitor.

The clubhouse and small bore line at Fort Harmar



Frances Johnson's record in these matches is worthy of special mention. Besides the three first places already noted, he shot second in the .22 caliber slow fire giving him three gold and one silver medal for the four matches in which he was eligible. Steingass deserves special notice also, as the outstanding tyro. Besides his first in the .22 Caliber Slow Fire match he placed third in both the Center Fire Slow Fire and the Center Fire Championship.

Two special matches were again conducted this year to determine the best pistol shots among the Railroad Police Officers. In these matches the Pennsylvania Police completely dominated the field. In the team event this railroad had eleven teams entered. Eight of these teams placed in the first ten. The team from the Central Division walked off with first honors with the score of 1064 while the Panhandle Division team took third with 969. The team of the Atlantic Coast Line was second with 1015.

In the individual match Pennsylvania Police took six of the first ten places. The event was won by H. O. Peters of the Northwestern Pacific Railroad with his 286 over the Camp Perry Course. This score nosed out M. M. Des Champs shooting for the Atlantic Coast Line with a 283 and C. R. Daywalt of the Baltimore and Ohio who squeezed in a total of 281. A total of 118 entries from seven different roads made this a real match.

An account of the Postal Matches would not be complete without some mention being made of the Interclub standings. With one more match to be fired at the present writing predictions of the winners would be a little premature. However, with three of the four matches completed, the No. 1 team of the Glendale Rifle and Revolver Club of Glendale, California, is leading the teams in the metallic sight division with a team total of 4756, five points more than the nearest opponent, the Des Moines Rifle and Revolver Club, with the No. 2 Glendale team in third place. Another California team, the Carpinteria Gun Club, is leading the any sights team with 4791, well above the 4775 of Des Moines and the 4774 of the team from Zelenople, Pennsylvania.

With the final results of the Interclub Matches all open events of the summer matches will be finished. The Home Range program will be closed until the gallery matches later in the year.

* * *

KNOW YOUR RULES

"Alibi"

As a famous sports columnist said recently "All sports have alibis, but pistol shooting is the only one where they are considered seriously and competitors allowed to play over again". With that being the case and alibis being more-or-less a part of today's handgun sport it seems strange so few shooters conduct themselves properly on the firing line when there is reason to believe they will be allowed to refire a string. This applies particularly to timed and rapid-fire shooting.

Every handgun shooter should read carefully rule 9-36 of the N. R. A. Pistol Shooting Rules and follow that rule to the letter whenever he has reason to call for an alibi in timed or rapid-fire.

For those who haven't a rule book handy we quote rule 9-36:

"IF A COMPETITOR FAILS TO COMPLETE HIS STRING due to a defective cartridge or failure of the gun to function properly, he shall immediately assume and hold the "Raise Pistol" position and at the end of the string call the range officer, whose duty it is to open the gun and investigate the malfunction. The competitor shall not himself clear the jam or open the gun."

An example of this procedure would be something like this: You are firing a string of rapid-fire, your second cartridge fails to fire so your proper action is to say *nothing* but come to the "Raise Pistol" position immediately and stand facing the target until the targets are withdrawn. Then—without moving from the above position or attempting to ascertain the trouble yourself—call the Range Officer and he will take over from there on. The Range Officer probably saw you in the "Raise Pistol" position during firing time and so is directly behind your firing point waiting for shooting to cease.

Now every part of rule 9-36 is important—both to you and to everyone else on the range. If you don't follow it exactly you will show poor sportsmanship to nearby competitors or prove a real danger to everyone within gun shot. Here's why:

You come to "Raise Pistol" so that your gun, in case of a hangfire rather than misfire, will be pointed in a safe direction. Should you turn around to call a Range Officer (who by the way is darn busy right then) with your gun not in this safe position it *might* fire ten or twelve seconds after the hammer fell and seriously hurt someone. Come to "Raise Pistol" and face the targets.

Say nothing until the targets are withdrawn from firing position for if you do it is certain to disturb the concentration your neighbors have in their shooting. To say the least this would be poor sportsmanship.

Don't attempt to clear the jam or open the gun—this is the Range Officer's duty. Should you handle the piece it might easily remove all evidence of your trouble and prevent the Range Officer from allowing you the alibi string that otherwise would be your privilege. Leave the gun alone and hand it to the Range Officer when shooting is completed by the remainder of your relay.

Should you have a misfire or jam during slow-fire call the Range Officer immediately and he will stand by while you load another cartridge or clear your trouble.

Old and new competitors alike have at times been forgetting to follow rule 9-36 even though detailed instructions have been given at Registered Tournaments. From now on let's give the range detail a break and also display better sportsmanship than sometimes has been done in the past—not intentionally, but never-the-less mighty disturbing.

* * *

THE OPEN ROAD ANNUAL RIFLE MATCH

Nearly 40,000 boys have, in the past five summers, fired about one and one half million shots at official targets, and many million more in practice, in what we believe to be the largest series of rifle matches in the United States, if not in the world. These are the rifle matches held annually since 1933 by *The Open Road for Boys* magazine. Now under way is the sixth match in the series.

First announced in July, 1933, by *The Open Road for Boys*, this method of encouraging training in marksmanship and rifle shooting immediately leaped into popularity. Boys all over the country realized that this match offered them an opportunity to compete, for glory and attractive prizes, with their compatriots of similar ages and experience, in a sport which Americans have held in high esteem since early pioneer days. Entries are received by the thousand from all parts of the country. Boys and young men are

(Continued on page 44)

Tournament Reviews

REGISTERED MATCHES

Portland (Ore.) Small Bore Tournament

Firing under conditions that were far from ideal, the small bore shooters of Oregon "made history" during the firing of the annual State Tournament at Clackamas range, Saturday and Sunday, June 11 and 12. Almost without exception, higher scores were recorded this year than for the same courses in previous years. Shooters from many points in Oregon fired "across the board". The lone shooter from across our borders, G. E. Widger of Ione, Washington, has been at Oregon matches so many years that we consider him one of our own.

Competition in the aggregates (there were three) soon developed into a dog fight between Greer, Baldwin and Waddell, with some of the lesser lights coming in on the home stretch for places. Greer, popular La Grande shooter and 1938 Inland Empire Association small bore champion, proved his mettle by taking first in the Grand Aggregate and first in the Any Sight Aggregate. Runner-up to Greer in both Aggregates was Neil Baldwin. The Metallic Sight Aggregate was pretty much Ivan Waddell, who made his 1974 x 2000 good for first place, which got him the Andy Finlay trophy and a silver medal. Looking down Wad's neck came young Les St. Clair, Jr., whose aggregate of 1966 was good for second place.

The feature match of the tournament and by all odds the toughest, the Bausch & Lomb Trophy Match, a double Dewar course, was a knock down, dragout from start to finish, with Neil Baldwin, winner of the coveted B & L Trophy last year, in a fair way to repeat. In fact a preliminary bulletin ranked him first with 793 x 800. However, a dark horse appeared in the running in the person of Harold Greer, who had fifty cents to gamble that the scorers had missed a point on his last string of 20 shots. Sure enough, the point was there by a very narrow margin, so—the final bulletin found Greer at the top as winner of the match, which includes the beautiful B & L Trophy and a gold medal. Both he and Baldwin scored 793 but Greer's higher score at the longest range outranked Baldwin, whose prize was a silver medal.

Tho not the largest, it was by all odds the best organized and smoothest run of any previous small bore shoot in Oregon.—WINDAGE.

Indiantown Gap Tournament

An inaugural Outdoor Small Bore Tournament was held in Pennsylvania on the Indiantown Gap Military Reservation, June 18 and 19, 1938. The shoot was staged in conjunction with .30 caliber rifle and .45 caliber pistol matches.

There were 45 registered competitors in the small bore tournament. Due to tricky wind conditions possibilities were rare. The Frank C. Hoppe Memorial Trophy, for the grand aggregate, was won by Frank Frohm of Wilkes-Barre, who also won the Dewar Aggregate. The 50 Meter Aggregate was won by J. I. Davis of Wilkesburg.

In the .30 caliber matches there were 19 teams, representing the National Guard, American Legion, Motor Police and civilian clubs. These were six man teams shooting over the National Match Course, ten shots at 1000 yards. The Frankford Arsenal Rifle Club won first place. Last year's winner, The University Rifle Club of Reading, won second place this year. Third place, Mid-West team from Punxsutawney and Indiana. 4th place, 111th Infantry team of Philadelphia. 5th place, 109th Infantry team of Scranton. Sgt. Geo. E. March, 111th Infantry won the high individual trophy.

In the .45 auto pistol matches there were 13 teams, representing National Guard and civilian

units. These were five man teams shooting over the National Match Course. The 103rd Cavalry Team won first place; the University Rifle Club second; 3rd, 111th Infantry. Harry Frantz, of the University Rifle Club won the high individual trophy.

The Pennsylvania Rifle and Pistol Association already has started plans for next year's shoot. A decision has been made to reduce the entry fee in the small bore matches to one dollar, and to include open pistol matches in the tournament next year. The high power rifle matches and the .45 pistol matches will probably be conducted the same as this year.—GEORGE A. HOFFMAN.

Meriden, Connecticut, Pistol Matches

Seventy-eight New England and New York pistolmen convened at Meriden, June 26, for the Ninth Annual Connecticut State Pistol Matches, competing for honors in the three events programmed. A slow-fire .22 caliber event went to Edward Culkin, Boston shooter, with a 181 total. Following were Alligood of the New London Coast Guard Academy, 180 and Ernest Ferry, Feeding Hills, Mass., 178. Medals were awarded down to tenth position.

The second match, 20 shots slow fire with the .38 caliber handguns, fell to W. C. Poole, Jr.'s 177. Second and third found Culkin and Ferry repeating in medal places. Ernest Ferry's consistent shooting won for him top ranking in the .22 caliber N. M. Course event, giving him an enviable total of two thirds and a first out of three events entered. Joe Rivers of Greenwich finished a single point below Ferry, and Carl Kastner, Maplewood, N. J., finished in show position.

The Annual Michigan State Pistol Tournament

The Annual Detroit Pistol and Revolver Field Day, named in the official program the "Michigan Rifle and Pistol Association Annual Pistol Tournament", got under way before the rain Saturday, June 11, at the Hickory Ridge range near Detroit.

Low hanging clouds, threatening skies, plenty of wind, and a deluge, played havoc with scores of nearly all competitors. To show his contempt of the elements, Al Hemming of the Detroit Police Department in Match No. 2, .22 caliber timed fire, shot a 199. His nine coming in the first five shot string, Al felt pretty good about the whole thing.

Apparently that was all the rest of the Detroit Police Team No. 1 needed, for on Sunday in the Walter O. Briggs Trophy Match, four man team over the course, .22 caliber, the boys really went to work. The Detroit Police Team was elated last year in setting a new record of 1102 until the Coast Guard raised that to 1120. With Al Hemming again leading with 293, a new record of 1153 was set.

The new pistol champion of Michigan was to be decided from this tournament and again the Detroit Police stepped in, this time Harry Reeves walking away with the honor. After seeing Harry shoot 184 over the course with the .45 automatic, nothing surprised us. Incidentally a conference with gauges finally decided on a nine instead of a ten in this match, thus keeping him from a score of 185, which is good shooting in any man's league.

The State Police had three teams entered in the team matches and our old friends Sgt. Ray Sullivan and Tim Hurley were holding up their end. Jackson Police with two teams were fighting hard.

A highlight of the tournament was the presentation by the Executive Officer, Lt. Ralph Franklin, of the 1937 ranking pistol awards. All the awards went to the Detroit Police, including Al Hemming, Harry Reeves, and Lewis

Sanderson, Al Hemming being satisfied with number one.

The tournament was a huge success, complaints being unheard and all scores being exceptionally high despite the unfavorable weather conditions. Anyway the Detroit Police were happy about the whole thing.

Medford Oregon Small Bore Tournament

Medford's first registered tournament was held May 29 and 30 under the guidance of Regional Director Ivan Waddell, and the Medford Rifle Club on the Club's beautiful small bore range at the southern base of Upper Table Rock. The excellent two-day program drew a number of California riflemen, as well as Southern Oregon shooters and the Medford Club guarded their prestige by entering ten members "across the board" out of a total membership of sixteen. S. M. Tuttle acted as Range Officer, assisted by a corps of Junior Riflemen who attended to the target changes with the dispatch of veterans. Leslie T. St. Clair took charge of the statistical duties and Fred Sander, veteran riflemen of the Medford Club, acted as Executive Officer. Earl Troch and Mrs. L. T. St. Clair of Portland scored targets in the same efficient way they have been doing in a large number of Oregon matches.

The first match Sunday morning started off in weather fulfilling the promise of the sunset rainbow the night before and continued ideal for the duration of the matches. This first match, the 100 yard Individual, brought up the question again as to who would do the dishes when Mrs. S. M. Tuttle turned in a 399 x 400 for first, and Mrs. Ivan Waddell second with 398, out X-ing Ivan Waddell, who was relegated to third. If you don't hear more about these women in forthcoming Oregon State matches, we are badly mistaken. Paul Dodge of Yreka, Calif. and Hal Campbell of Red Bluff, Calif. ranked first and second in the 50 yard Individual with scores of 399 and 398 and Mrs. Waddell's 398 placed her third. Not to be outdone, Mrs. Tuttle and son, Shelby, took first in the Dewar Buddy with a 789 and Mr. and Mrs. Ivan Waddell second with 785. Next and last event Sunday was the 11-Carton Match, a favorite in Oregon, shot on the 100 yard target with x's counting eleven. Ivan Waddell's 199-11x counted for 210 x 220, and first place, and Mrs. Tuttle and Hal Campbell took second and third, each with 208. Sunday's matches were all any sight events and those Monday were restricted to iron, excepting the final 50 yard offhand match. This gave each class of shooter a full day of competition with his favorite sight.

The 50 Meter Match Monday morning went to Gairie Upshaw of Yoncalla, Oregon, with Shelby Tuttle and Mrs. Waddell second and third, all three scoring 392. This was the match where the time limit whistle made a Class B winner out of a Class A man, and was his face red. Ivan Waddell made thirty-nine shots count 386 and as luck would have it placed first in Class B. Waddell came back for first in the Dewar Individual, his 395 creaming a 395 of St. Clair, Jr. and Hal Campbell's 394 placed third. The Short Range Individual was good for a 398 for Waddell, Mrs. Waddell second with 397 and St. Clair, Jr., third with 396. The four top pay-off places in the 50 yard Offhand went to St. Clair, Jr., 93; Ivan Waddell, 88; Ed Lull of Medford, 88; and Mrs. Waddell 87.

The statistical office had the Grand Aggregate scores posted in record time and the familiar scene of shooters reaching for their tin with assumed nonchalance was in order. To Ivan Waddell went the gold medal for high aggregate score of 1972 x 2000, a silver medal to Paul Dodge for second with 1968, and bronze medals to Mrs. Waddell, also with 1968, Shelby Tuttle, 1964, and Gairie Upshaw, 1962. Leslie St. Clair,

Jr., was awarded a silver medal for high iron sight competitor in all matches, Mrs. S. M. Tuttle a silver medal for high lady not placing in Grand Aggregate, and C. C. Gall of Medford a silver medal for high tyro in the aggregate.

Thus ended a very well regulated match and one in which there was little cause for complaint. Only two competitors had to perform operations on shooting coat sleeves, while four paid their quarter for firing on the wrong target. A single challenge during the tournament gave proof of the scorers ability.

First Annual Eastern Michigan Small Bore Tournament

Saturday, July 2, 1938, dawned with a threat of bad weather and competitors and officials were steeled to meet old J. Pluvius who has been heckling so many shoots this year. The old boy must have had a change of heart or someone said to him—"Here you! It's time you transferred your attention elsewhere. Give these boys a break!", because he withdrew very gracefully and beautiful weather prevailed during the entire three day tournament.

Geo. Braendle of Cleveland, Ohio, emerged from the first day's fracas of three matches with a clean 1200 x 1200, winning the 50 yard Iron Sights with a 400-31X and the 100 yard Any Sights with a 400-26X. Helen Speta blazed into first place in the 50 yard Any Sight Match with a 400-32X, outranking six other 400 possibles by Ned Moor, Lord, Wilson, Braendle, Miller and Patriquin. Wind conditions were perfect on Saturday, but Sunday the playful zephyrs appeared and the possibles disappeared. E. L. Lord of Chicago took the Iron Sight 50 Meters Match with 396, outranking Geo. J. (Santa) Claus of Cleveland. The Burrowing Badger, Wes Hansche emerged from the dirt with a 394-17X in the 100 yard Iron Sights Match to outrank Geo. Forstrom of Pontiac, Mich., for first place. In the 50 Meter Any Sight Doubles, Santa Claus of Cleveland paired up with his protegee Braendle and romped in with a pair of 197's to win first place with a comfortable 3 point lead over Wes Hansche and Wilbur Miller. W. E. Kenyon outranked Ray Loudens 395 to win the Cash Jackpot and received \$25.20 for his work, while rollicking Ray snuck off with \$18.00, Charley Vincent's 394 gave him 3rd and \$10.80 and Ned Moor, Geo. Claus and Ferd Schimmel speared 4th, 5th and 6th and 3 bucks apiece. W. D. Cook copped the Dewar Iron Sights Match with a 396, outranking E. L. Lord. That man Kenyon snatched 3 more X's from the zephyrs to outrank Santa Claus' 397 and win the Any Sights Dewar. Not satisfied with winning two matches by ranking, he proceeded to outrank Bill Patriquin's 396 and take the final match—the 50 Meter Any Sight. The Iron Sights Aggregate went to E. L. Lord with 1584 and the Any Sight Aggregate to Bill Patriquin with 1588.

A complete tournament report will be mailed to each competitor and it is hoped that the 1939 Tournament will be bigger and better in every way. This tournament is held solely to promote the game and suggestions will be appreciated.—G. F. PETERSIMES.

Small Bore at Erie, Pennsylvania

The familiar Walnut Creek Rifle Club range at Erie was host during the two days of the annual Walnut Creek tournament to most of Ohio and Pennsylvania's veteran small bore shots. With six years of past experience, this Keystone state shoot has become a classic in the Ohio-Western Pennsylvania area and can now depend upon attracting top-flight shooters from the two adjoining states as well as throughout the home state. One shooter, R. A. Newcomb, crossed half the continent from Tulsa, Oklahoma, to compete.

Marianne Jensen, attractive girl shooter from Cleveland, edged out many a seasoned .22 caliber shot to take the first event, the 50 Yard Any Sight. Her total of 400-28x gave her a one x

lead over Bill Patriquin, who shot the only other possible score in the match. Rain and wind that had harried contestants in this initial match vanished for the 50 Meter Two-Man Team race, and when the smoke had cleared the two Georges, Claus and Braendle, had snared win money with a total of 395. Runners-up were Akron's Canfield and Scarborough, with Israelson and Alger coming up in show position, one point below second place score.

Still at 50 Meters, E. A. Dochstader's 396 in the Individual outranked those of C. A. Nicklas and Ray Loudens. Fourth event, the Dispatch-Herald Championship, a Dewar Course Match, went to C. H. Berlin, who turned in the one possible recorded, followed by Petre and Canfield, 399 and 398. No creedmoring troubles there.

Ross Naish captured high place in the 100 Yard Any Sight with 397-19x while the team of Domas and Petre led the pace in the 50 Yard Iron Sight team event. The last two matches fell to Merle Israelson, whose 397 outranked that of Scarborough in the 50 Meter Iron Sights, and M. S. Henning, with a 29x possible in the 50 Yard Any Sight. Merle Israelson's total of 1586 in matches 3, 4, 7 and 8, gave him first rank in the aggregate, which event wound up for another year Erie's bid for small bore tournament honors. The opinion of the competitors seemed to be that a good job had been well done, and Walnut Creek can expect them back another year.

Iowa State Small Bore Tournament

The weatherman was kind enough to break the spell of rainy weather at Camp Dodge for the period of the Iowa State Small Bore matches and all events were hotly contested. He did add a tricky fishtail wind and a heavy mirage for the Sunday matches that wrecked scores for a number of competitors who might have otherwise placed high in the Aggregate Match for the Bausch and Lomb Trophy.

Capt. G. L. Shoemaker, and Lt. C. C. Marchal as Range Officers kept the firing line at all times on schedule. The work of W. B. Palmer, E. L. Miller and F. I. Murphy, in the Statistical Office was that of veterans. The Range detail from the Argonne Post Junior Rifle Club functioned at all times on the run and with the enthusiasm only to be found with Junior Riflemen. F. A. Moulton, N.R.A. Representative, as Executive Officer, was everywhere.

Matches fired the 18th went to T. J. Holm (50 yard Any), O. O. Hobbs (100 yard Any), and Cortez Souter (Dewar). The star of the second day was Vere Hamer, who took top position in the Dewar Any, Camp Dodge Doubles (with Webb Stump) and the second Dewar. Only match left was the 50 Meter Metallic, which fell to Holm. Despite Hamer's sudden spurt, consistently good shooting triumphed and Emory Hawcock's 1190 edged Hamer out by three points to take the Bausch and Lomb Aggregate Trophy.

While local broadcasting stations were not active on the firing line during the matches, generous time was given to reports of the day's firing each evening during the daily broadcast of the day's sports events. Both daily papers were well represented with photographers and reporters during the matches.—CORTEZ SOUTER.

Vermont State Pistol Matches

Sixty-four handgun shooters showed up at Fort Ethan Allen on June 19 to make Vermont's fourth annual Pistol and Revolver tournament a real success. The competition in the individual matches was keen, with scores giving no single shooter a chance to steal the whole show.

Bob Lance of Montpelier was the only competitor to win more than one match, taking both the .22 caliber timed fire and rapid fire events. Lincoln Mansur of Bloomfield, Conn., took second place medals in three of the indi-

vidual matches, and was close enough in the rest to win the aggregate 20 points ahead of his nearest competitor. Don Robinson, registered from Tampa, Florida, won one match, placed second in another and was runner-up in the aggregate. Wilbur Ricker of Portland, Maine, who didn't take a place medal in any of the individual matches, was high enough in all of them to get third place in the aggregate, 3 points behind Robinson. C. Ingals Fisher of Lyons Falls, N. Y., took one match and placed in two more, while D. H. Farr of Springfield, Vt., and John Lane of Portland, Maine, each took one and placed in another. Victor Hewitt of Portland, Maine, won the tyro match.

Border Patrol teams were entered from both Rouses Point, N. Y., and Derby Line, Vt., but Fred Disbrow of the Rouses Point team was the only member to win place medals. The Rouses Point team were runners-up in the Camp Perry Course team match. The Pine Tree Fish and Game Association's team won the match over the National Match Course with the .22 caliber arms, and the Savings Bank of New London, Conn., took the Camp Perry Course match with center fire arms. About 40% of the registration came from outside the state.—P. H. TEACHOUT.

Eastern Iowa Small Bore Shoot

In contrast to the gale that swept across the range last year, playing havoc with targets and shooters alike, sunny skies greeted competitors attending the Second Annual shoot of the Muscatine Rifle Club, June 5.

A 40 shot 50 Meter metallic sight event was squadded as the first match, and the full day's battle was on. Posting of the bulletin found E. L. Lord, that veteran of many a small bore skirmish, well out in front with a record of 198 for the first stage and doubling on the second for a match total of 396. Not bad for his first start for the season's long grind ahead. Willis Kenyon, who fired his first match on the Muscatine range last year, landing in second ranking position in the 1937 small bore battle, took second honors.

In the Dewar that followed, Mason took the lead and first place medal, going clean at 50 yards with 12x's and finishing at 100 with 99 and 98 with 10x's for a match total of 397. Harry A. Potter, a member of the Milan (Illinois) Club and of International Dewar fame, was second with 394.

The third match, an Any Sight Dewar event, ended in a three-way tie. After breaking down, the first 394 went to Kenyon, Al Freeland taking the silver and Mel L. Kobler (who by the way won try-out honors for the Bisley team last year) the bronze.

In the Any Sight 50 Meter event which followed, Stanley Fogle of the Milan (Illinois) Club, stepped out in the lead with 392. E. L. Lord lost his tie for second place and Lew Mason took third with 391.

Up to this stage it began to look like all the iron was going out of the state, but with the fifth and last match which was to determine the Aggregate and the Eastern Iowa Championship, everybody tightened up. The bulletin posted at 5:30 P. M. remained as was after the protest time of 5:45 P. M. with the following results: Cortez Souter of the Des Moines R. & R. Club, brought old Iowa through for first honors with 397, E. L. Lord drew second and V. E. Megown of New London, Missouri, third.

The Aggregate bulletin was posted at 5:45 P. M. with protests closed by acclamation at 5:46 P. M. The finals found E. L. Lord, with an aggregate total of 1967 x 2000 for the Eastern Iowa Championship Medal. Lew Mason was second with 1962 and following close with 1961, Mel L. Kobler.

The match was officered by F. L. Wyman, Executive Officer, Harry A. Timm, Chief Range Officer, Chas. H. Kautz, Asst. Range Officer, O. R. Griffith, Scorer, assisted by our county Sheriff Fred B. Nesper, and Dr. J. G. Johnston, secretary, in the Statistical Office. These, together with other members of the club handling

the targets, gave the shooters the best they knew how and helped in every way possible to make the match the success it proved to be.—J. G. JOHNSTON.

Connecticut Small Bore Tournament

Hundreds of square inches of well-burned human skin testify to the clear hot weather that prevailed during the sixth annual small bore tournament of the Connecticut State Rifle and Revolver Association, held on the State Rifle Range, East Haven, Conn., June 18 and 19. The State Range, after being worked upon for the past year by a large group of WPA workers, has been greatly improved; all firing lines from 200 to 600 yards are now level and a new firing line for small bore matches has been built, south of the 600 yard big bore range. Eight matches were scheduled for Saturday, a stiff program, but carried out, as is usual in Connecticut matches, efficiently and on time. Three of the Sunday matches were aggregates.

Match one was the Connecticut 50 Meter Match, 40 shots at 50 meters. First place went to Ernest Pace of Sellersville, Conn., with 395, second Jim Lacy of New Haven, 395 also but outranked. In the second event, the Harry Anthony Match, 20 shots at 100 yards any sights on the 50 meter target, the silver trophy was won by J. A. Borokhovitch with 185; second Jack Lacy of New Haven, 183. The Dewar Course Any Sights Match was won with a perfect score of 400 by Walter H. Shannessy of Brooklyn, second J. A. Burrows, a Class B shooter, from New York.

The Herb Dingee Match consisted of 40 shots at 50 meters, any sights. H. D. Allyn of Springfield duplicated his feat at Camp Perry last year by shooting a score of 400, three points above Jim Lacy of New Haven. The match for the Bausch and Lomb Trophy, 50 shots at 100 yards, any sights was won by Eric Johnson with 497-26x, followed by Dave Carlson of New Haven with 496-30x. The Womens Championship Match was won by Elsie Hellwig with a perfect score of 200, and the Junior Championship, 20 shots at 50 yards, was taken by Stephen Tingley of Stepany, Connecticut, with a 199. The last match Saturday was the Connecticut Dewar, metallic sights. There were three perfect scores of 400 in this match, Dave Carlson winning with 27x. Jack Lacy placed second with 25x.

Sunday was another fine shooting day and one relay followed another so that a competitor who entered all of the matches was kept busy moving from one range to another, the full day's shooting calling for 140 shots not counting the Swiss Match. The Lacy brothers each scored 400 points to win the A. L. Stowell Match, Jim scoring 29x and Jack 26x. The Eric Johnson Match, 40 shots at 100 yards, any sights, went to H. D. Allyn, 399. The East Haven Dewar Match, any sights, with 92 entries, went to Jack Lacy's 394 with C. Nohns of Perth Amboy, N. J., and T. M. Lewis of St. Albans, N. Y., placing second and third.

Match 12 was the long range match, 20 shots, 200 yards, metallic sights, and the winner, S. J. Vitranio, of Queens, who registered 193. Second place went to a Class B shooter, H. D. Smith of Arlington, N. J., with 192, one point below Vitranio. Match 13 was the Henry Gussman Match, 20 shots at 200 yards, any sights. There were 71 entries in this famous event, the winner H. D. Allyn again, with 193, second E. B. Mechling of Scarsdale, N. Y., 194.

The last match was the popular Swiss at 200 yards any sights, on the C5 target. The first relays did not have much luck, but later scores began to go higher. Jim Lacy ran 25 hits and Jack Lacy 24 when Dave Carlson started on the other end of the line to pile up points. Doyle scored 22, Dr. Tekulsky ran 39 hits, but all of this time Carlson was plugging away. After most of the shooters had started home, Carlson went out on his 110th shot, having scored 109 consecutive hits in the black, winning the match.

The Connecticut Championship consisted of the aggregate of six matches, the highest scoring (out-of-state) competitor in the match being H. D. Allyn of Springfield with 1967. The Championship of Connecticut went to Dave Carlson with 1960. The Remington Trophy Match, Dewar Course, and the Any Sights Dewar were won by W. H. Shannessy with a perfect score twice over the course. The Hartford Courant Aggregate of the 50 and 100 yard any sight matches went to H. D. Allyn with 798.

The tournament was a success in every way, there being 153 competitors registered for the matches.—EDWARD E. COOKE, Secretary.

Western States Small Bore

Taking home durn near everything but the range house, tall dark and handsome Johnny Miller added the Western States Championship to his already large collection of wins. Having won the California Championship a short time previously, Miller's win of the Western States shoot proves again that he is one of the West's best .22 shooters.

A name familiar to shooters the world over pops up when we read that Les Pope was second in the Championship, only 4 points behind Miller. Les was 3 points behind Johnny for third in the short range aggregate. Scoring 396 in the scope-Dewar match, Miller found himself clear down in 8th place, with Pope 1 point behind him. One point behind the leader in the Wimbledon, Miller's 194 gave him third spot, with Pope's 193 in sixth. The iron sight 40 at 100 match again gave Johnny the third position, with 391. Les found that an 8 pushed him down to the bottom of the 391's. With 396 Miller outranked a couple of similar scores to take the top of the heap in the 50 meter affair, while he and Pope teamed up in the two-man team match to take the gold medals by a 1 point margin.

Third place in the Championship went to young Al Ljutic, who also hooked second in the short range aggregate, second in the 40 at 100 match and first in the re-entry.

Despite the Miller-Pope-Ljutic wrecking crew, a few other shooters managed to sneak out with medals. J. E. Voerge and Ernie Martin took the silver medals in the two-man affair, with Steve Hampel and Jimmy Williams third. Bob Perkins and L. E. Johnson turned in the same score as Miller in the 50 meter, but were outranked and had to be content with second and third. The scope-Dewar was a shut-out for the wrecking crew, when J. B. Sweeney, L. A. Landreville and Jack Altenber placed 1, 2, 3, with 399, 398 and 397 respectively. Otto Markmann managed to sneak in over Miller and Ljutic to take the seat of honor in the 40 at 100 match. In the Wimbledon, Art Baines and C. J. Napier both turned in scores of 195, with Baines outranking Napier and Miller third.

The Club Team Match proved to be another close race, when the Mare Island gang—Altenber, Inman, Smith and Lear—ended with only a 3 point margin over the Oakland Rifle Club. Victor Kebely turned in a very satisfactory 197 to outrank Wallace Allen's similar score in the Junior event—20 shots at 50 yards. Ludd Johnson was only 1 point behind the leaders. In the Ladies Match, over the same course, the O'Brien sisters did right well by themselves in taking first and third, with Thelma Gridley in second, sandwiched between Marion on top and Phyllis in third.

Staged by the Richmond Elks Rifle Club in conjunction with the Richmond Rifle Club, this very successful shoot proved that these bayshore boys are plenty live-wires. Range-Officered by Fred Dunning and Herman Pircher and with Ernie Martin and Mike Ljutic behind the scenes, the shoot went off without a hitch. The dirty job of scoring fell to W. R. Robie, while Hughes Richardson and his crew had the counting-house well under control at all times.

This Fifth Western States Championship was held on the range of the Richmond Rifle Club, on the shores of San Francisco Bay, which bay

furnished some very fine winds, causing no end of worry and some very wide shots. The Richmond boys have several improvements under way and promise that by next year their range will be the best in the West. Knowing this gang, your scribe believes 'em!—JIM CROSSMAN.

Tennessee Pistol Championships

Nashville, Tennessee, was no exception to other parts of the middle-west the weekend of June 25 and 26 so far as rain was concerned. Not bad enough to mean canceled matches but enough so everyone while shooting kept a weather eye out for the nearest shelter. Tents and parked cars were popular with even the range crew several times between matches.

Carter Reeves, back from the Mid-Winter wars in Tampa with a slow-fire National Record scalp tucked safely away, scored 178 in the first event, .22 caliber slow-fire, for top place and then proceeded to annex the next two likewise. Over the National Match course with .22's Reeves scored 282 and in event number three his 179 was high among the center-fire slow-fire shooters.

John Brogan, of Pickwick Dams, and "Pappy" Myers placed two, three in the first match with scores of 174 and 171 while Avery Burdette of Guntersville Dam and E. A. Spence were taking similar awards in the match "over the course".

By the time the boys got around to the center-fire slow-fire match about noon the rain maker decided to take a hand in things so Relay Two received a good ducking. Nevertheless Spence came back and his 169 was good for a silver medal and J. D. Nally scored five points less for third place.

Marvin Herrick took the gold medal offered the winner in Match No. 4, centerfire National Match course, by the hand and led it right home to the tune of 273, just three points up on the ever present Mr. Reeves. Frank Little came through in this match for third place totaling 264, having been a threatening contender for first or second place right up to the rapid-fire stage where things just wouldn't seem to click.

Having won so many firsts the aggregate match winner was in little doubt and Reeves' 909—49 points over second place holder Avery Burdette surprised no one.

E. A. Spence, who journeyed all the way from Bristol, Tennessee, won third place in the aggregate, three points under Burdette.

Everyone spent an hour in parked cars or in holding the tent down before the team match could be fired. The rain and wind though must have been just what the boys needed for almost everyone fired his best scores in the Camp Perry course team match.

Nashville Pistol and Revolver Team No. 1 landed on top with 1088, a top heavy winner by 73 points over the Happy Valley Gun Club team.

NON-REGISTERED EVENTS

MISSOURI—Western Missouri Small Bore Championships. Two riflemen "cleaned the field" at the Western Missouri small bore championships fired on the Pleasant Hill range Saturday and Sunday, June 11 and 12. Gilbert Burr found conditions on the home range ideal, and took first place in six of the eight matches, while Pete Josseland, Tulsa, Okla., took the other two.

Missouri, Kansas, Oklahoma and Colorado were represented by shooters at the first annual firing of this match, which was a success in every way for the sponsors, the members of the Pleasant Hill Rifle & Pistol Club. The local riflemen were pleased by the way in which their range layout was complimented by the visitors, and by their promises to be back next year.

Outstanding score of the shoot was Gilbert Burr's 399 out of a possible 400 in the short range individual match with telescope sights.—PLEASANT HILL TIMES.

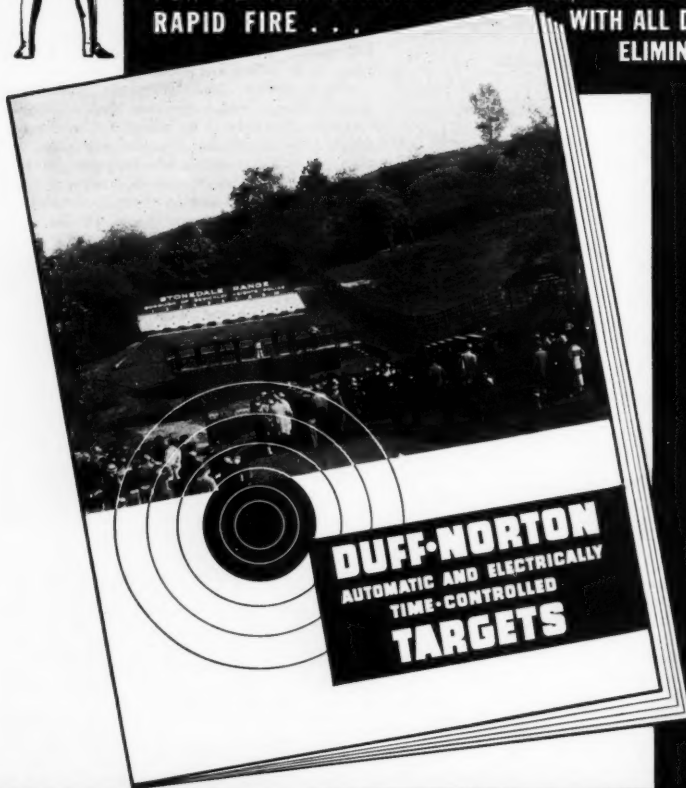
NEVADA—The Winnemucca Pistol Club staged their first match recently, at-



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PITTSBURGH, PA.

tracting thirty-three contestants for the club's Duarte Trophy. Phil Tobin, cattleman from the middle-reaches of the Humboldt River, shot his way to top score and took the award. The Law, in the person of Sheriff Jack Duveen, captured second place.

A lot of the boys are wondering why their scores were not as high as when they were firing at corral posts. They just met "Buck", the old boy who is present at all competitive shooting and have not recognized him yet.—W. B. BEACH.

KANSAS—The .30 Caliber Championship Shoot held at Fort Riley, June 12 and 13, gave high state honors to William Smiley, Jr., of Junction City. His score of 238 topped that of Arnold Mulheim, Jr., of Ellis, by two points. Young Smiley also had the high aggregate score for both days of the meet and was awarded the Bausch and Lomb Trophy.

Members of the civilian team that will defend Kansas marksmanship honors at Camp Perry this fall were selected during the shoot. At the meeting that followed, all officers of the Kansas State Rifle Association were reelected, including George W. Stanfield, Topeka, President and Dr. J. C. Lehane, Junction City, Vice-President.

CALIFORNIA—An All-Night Small Bore Shoot, outdoors at 100 yards, was successfully staged at Sacramento, June 23-26, under the banner of the Capital City Rifle and Revolver Club of Sacramento.

Shooting with an improved system of range lighting, 127 entered the Any Sight and Metallic Sight Divisions. Team medals were given for the two high teams in Class "A", and for the high team in Classes "B" and "C". The high man on each team not winning team medals also received a bronze medal. The first 3 places in Class "A" and "B" and the 2 top men in Class "C" received Individual Medals.

The Oakland Rifle Club Team took the perpetual trophy for one year with a score of 1977. The San Francisco Schuetzen-Verein was second with 1974, and Capital City 1 was third with 1972. In the Metallic Division, Grass Valley was high in the team match with a score of 1956, followed by Capital City 1 and 2 with scores of 1941 and 1940.

B. G. Simms of the Capital City Club won Gold Medals in each Sight Division with 398's. F. Wheeler of the Schuetzen-Verein, and E. Best from Oakland followed in the Any Sight Division with 398 and 397, while Paul Hulett of Antioch and R. E. Perkins from Fresno were runners-up in the Metallic Division with 397 and 396.—RAY MURPHY.

MONTANA—Scores by Radio. Sunday, May 8th, saw the inauguration of a unique rifle match between the Hardin Rifle Club at Hardin and the local clubs at Billings and Roundup (Montana). The match was fired over the regular Dewar course by each team on their own range and immediately after firing the scores were exchanged via three amateur radio stations.

This unusual method of exchanging scores was sponsored by Dr. Charles Ballard of Crow Agency, Montana, who operated one of the three amateur stations used for the match. The other stations were operated by Leslie Crouter of Billings and Rex Roberts of Roundup.

The match was won by the Billings team by the narrow margin of three points, Vance Rogers of Hardin and Stuart Edmonds of Billings shooting the high individual scores.

So successful was this radio rifle match that others will be held between these three teams, and any rifle team having an amateur radio station at its disposal is invited to enter.

ALABAMA—State Small Bore Matches. The best turnout ever had by the Alabama boys was their third annual small bore shoot held at Birmingham, May 7 and 8.

Coming Events

The Dewar Course with any sights went to A. R. Pryor with 398, outranking Chas. Hamby and L. R. Shifflet. The Scott 50 Meter iron sight medals went to Menzen, Hamby and T. K. Lee in order. The Dewar Course team event went to Hamby-Menzen 794, Duncan-Shifflet 795 and Mager-Schiller 787. 50 meter scope: L. R. Shifflet 397, Hamby 397, Mager 394.

The regular Dewar match, iron sights, Schiller 399, T. K. Lee 398, outranking Hamby 398, for first three medals. The 100-200 yard match, Hamby 394. High scores were made in the 200 yard stage by Schiller and Lee with 195 each, a splendid showing considering the two-direction wind that swept the range. Grand Aggregate first ten: Hamby 2384, Menzen 2372, Schiller 2368, Lee 2365, Duncan 2357, Mager 2342, Burkhalter 2339, F. W. Crenshaw 2315, Bolling 2314, Brosheer 2275, Tumlin, Nashville, 2274, Love, UofA, 2266.—J. P. PRINCE.

ILLINOIS—The Central Illinois Small Bore Matches. H. Cartwright, member of the Mark Twain Rifle and Pistol Club, Hannibal, Missouri, walked off with top honors at Camp Lincoln, Springfield, where these matches were held May 29, placing near the top in all individual events to take the aggregate, 780 x 800. Four single entry events were programmed, as well as a team match, won by the V. F. W. Bloomington Rifle Club group, and a re-entry series.

On the pistol range Chris Kalapis of Decatur scored 279 over the National Match Course to win the .22 caliber match, while Clyde Townsend, Springfield, shot a 256 with the .38 to win a gold medal in the center-fire event.

PENNSYLVANIA—Zelienople Memorial Day Shoot. The slogan "Popular Matches at Popular Prices" was a happy choice of the Zelienople Rifle Club, whose fifty cent, twenty shot matches continue to draw more and more shooters. A total of 129 registered this year.

The first match on the schedule, the 50 Meter, Any Sight, was led by Sheridan E. Brown of Warren, Pa., and C. O. Futterer of Pittsburgh, who shot a perfect tie of 199 apiece. The contestants agreed to let the fourth match on the schedule decide the tie, and Brown won the decision by a single point. First place in the 50 Meter, Iron Sight Match went to C. W. DeWoody of Franklin, Pa., with a 199. C. H. Kline of Woolrich, Pa., took the gold medal and first place in the 50 Yard, Metallic Sight Match, with 200—10X, and in the 50 Yard, Any Sight Match J. I. Davis proved the best man, taking first place with a score of 200—14X. In the 100 Yard, Any Sight Match, we again find Davis on top with a 197—13X. In the 100 Yard, Iron Sight Match, F. Thompson of Pittsburgh finally found his stride, and came to the fore with a 197—10X to take first place. The steady and consistent shooting of Roy A. Reck of Bradford paid dividends when the Grand Aggregate was totaled and he took first place and the gold medal with a score of 988 X 1000 with 30X's. A 985 and 31 X's won for J. I. Davis the second place rating, while the honor of third place went to G. D. Blackless of Lewis Run with a score of 977 and 32 X's.—REV. GUY M. WILSON.

ARIZONA—State Pistol Matches. A duel between Norman Adair, Yuma marksman, and Charles Askins, Jr., star shot of the Border Patrol's southern group, marked the State Championship events staged on the Pima Club range near Tucson, May 15. Adair successfully defended his state title by edging Askins out by a slim one point margin. Totals for the four match aggregate were Adair 1010, Askins 1009. Askins' defeat hung on the strength of a brilliant 272 by Adair in the .45 caliber event.

Two team matches were scheduled, the first won by a group from the Phoenix Rod and Gun Club, the latter a .45 caliber event, going to El Paso's Border Patrol team.

These matches attracted a field of 60 of the Southwest's top-notch pistolmen.

CALIFORNIA

*August 5-6-7: Southwest International Pistol Tournament at San Diego. Sponsored by San Diego Police Revolver Club. For programs write Rodney S. Pease, c/o Police Department, San Diego, Calif.

*September 18: Southern California Pistol League Match at Los Angeles. Sponsored by the Los Angeles Revolver League. For programs write Lt. J. A. Bartley, Police Headquarters, Los Angeles, California.

October 2: Alameda Pistol and Revolver Matches at Alameda, California. Sponsored by the Alameda Police Revolver Club. For programs write Captain John M. Strohm, 2247 Central Avenue, Alameda, California.

*October 15-16: Northern California Pistol Championships at San Francisco. Sponsored by San Francisco Traffic Police Club. For programs write E. J. Dutil, 324 16th Avenue, San Francisco, California.

October 23: Oakland Metropolitan Tournament at Oakland, California. For programs write Jos. Ternes, 838 19th St., Oakland, Calif.

CONNECTICUT

September 11: Eastern Muzzle Loading Rifle Championship at Greenwich, Connecticut. Sponsored by the Cos Cob Revolver and Rifle Club. For programs write Eric Bolton, Cos Cob, Connecticut.

September 18: Revolver and Pistol Match at Greenwich, Connecticut. Sponsored by the Cos Cob Revolver and Rifle Club. For programs write Eric Bolton, Cos Cob, Connecticut.

DELAWARE

*September 30-October 1-2: Delaware Tidewater Pistol Championship Matches at Wilmington, Delaware. Sponsored by Wilmington Marksman's Club. For programs of these events write F. R. Lesney, 106 East 16th Street, Wilmington, Del.

ILLINOIS

August 13-14: Hyde Park Y. M. C. A. Pistol Match at Chicago, Illinois. Sponsored by the Hyde Park Y. M. C. A. Pistol Club. For programs write Frank McCoy, Hyde Park Y. M. C. A., Chicago, Illinois.

IOWA

*August 13-14: Iowa State Pistol Tournament at Des Moines. Sponsored by Iowa State Rifle Association. For programs write G. G. Cooper, 816 Telephone Bldg., Des Moines, Iowa.

*October 2: Sixth Annual North Iowa Pistol Tournament at Mason City, Iowa. Sponsored by the Cerro Gordo Rifle Club, Inc. For programs write D. E. Wells, Box 262, Mason City, Iowa.

KANSAS

August 7: Small Bore Rifle Shoot in Topeka, Kansas. Sponsored by The Topeka Rifle Club. For programs write Dale Page, 723 W. 17th Street, Topeka, Kansas.

MAINE

September 4-5: Fourth Annual Labor Day Shoot at Damariscotta, Maine. Sponsored by the Lincoln County Rifle Club. For programs write Verne F. Batteese, Damariscotta, Maine.

MARYLAND

August 14: Second Annual Rifle and Pistol Tournament at Baltimore. Sponsored by the Freestate Rifle and Pistol Club. For programs write Carl Wittelsberger, 5005 Ross Road, Baltimore, Maryland.

MASSACHUSETTS

September 11: 10th Annual Western Massachusetts Championship at Pittsfield, Massachusetts. Sponsored by the Pittsfield General Electric Athletic Association. For programs write H. S. Endicott, 38 Hazelwood Terrace, Pittsfield, Mass.

MICHIGAN

*August 6-7: Michigan State Small Bore Tournament at Detroit. Sponsored by the Michigan Rifle & Pistol Association. For programs write Harold

Headley, 71 Lakeview Avenue, Battle Creek, Michigan.

*August 20-21: Second Annual Detroit Pre-Perry Pistol Tournament at Detroit. Sponsored by the East Michigan Rifle and Pistol Association. For programs write Harlan C. Wilcox, 12610 Hubbel Ave., Detroit, Michigan.

NEBRASKA

September 18: 360 Rifle and Pistol Club's Annual Matches at Omaha, Nebraska. Sponsored by the 360 Rifle and Pistol Club. For programs write T. H. Dawson, 6936 Florence Boulevard, Omaha, Nebraska.

NEW JERSEY

August 4-5; September 3-4-5 and September 10-11: Stay at Home Matches at Haddonfield, New Jersey. Sponsored by the Hutton Hill Rifle and Revolver Club. For programs write John G. Hubbard, 641 Pomona Avenue, Haddonfield, New Jersey.

NEW YORK

*August 12-13: 5th Annual Buffalo and Niagara Frontier Pistol Tournament at Buffalo. Sponsored by the Buffalo and Niagara Frontier Pistol Club. For programs write David E. Peugeot, Jr., 126 Avery Avenue, Buffalo, New York.

August 14: 3rd Annual Small Bore All Range Championships at Poughkeepsie, N. Y. Sponsored by Poughkeepsie Rifle Club. For programs write Guy W. Moorehouse, 5 Oak Crescent, Poughkeepsie, N. Y.

OHIO

August 7: Miami Valley Pistol Championship Match at Dayton. Sponsored by Dayton Pistol Club. For programs write Chas. G. Kallensee, 3917 East 3rd St., Dayton, Ohio.

*August 13-14: 5th Annual Fort Harmar Open Small Bore Rifle Tournament at Marietta. Sponsored by the Fort Harmar Rifle Club, Inc. For programs write L. R. Miller, 735 Fourth St., Marietta, Ohio.

*August 17-18-19: Second Annual All American Pistol Championships at Cincinnati, Ohio. Sponsored by the Indian Hill Rangers. For programs write A. H. Chatfield, Jr., c/o Indian Hill Rangers, Maderia, Ohio.

*August 21 to September 10: National Matches at Camp Perry, Ohio. Programs may be obtained by writing the N. R. A. Office, Washington, D. C.

October 1-2: Mead Second Annual Trophy Small Bore Rifle Matches to be held on the Mead range. Sponsored by Mead Rifle & Pistol Club. For programs write Roy Kern, 431 Laurel St., Chillicothe, Ohio.

PENNSYLVANIA

September 3-4-5: 7th Annual Small Bore Tournament at Hummelstown, Pennsylvania. Sponsored by Central Pennsylvania Rifle Club. For programs write George Hoffman, 220 S. 29th Street, Penbrook, Harrisburg, Pennsylvania.

September 5: Labor Day Small Bore Shoot at Harmony, Pennsylvania. Sponsored by Zelienople Rifle Club. For programs write Martin W. Neuhäuser, 337 East New Castle St., Zelienople, Pennsylvania.

TEXAS

August 7: Fort Worth Rifle & Pistol Club Merchandise Shoot at Fort Worth, Texas. For programs write T. J. Toler, 303 Transportation Building, Fort Worth, Texas.

*September 17-18: Southwestern Pistol and Small Bore Rifle Tournament at Dallas. Sponsored by Trinity Rifle Club. For programs write H. Frank Townsend, 6151 Palo Pinto Avenue, Dallas, Texas.

WISCONSIN

*August 6-7: 8th Annual Wisconsin State Small Bore Tournament to be held on the County Line Range.

September 25: Milwaukee District Fall Small Bore Matches on the County Line Range. For programs of these events write J. J. Ring, 1842 North 83rd St., Wauwatosa, Wisconsin.

* Indicates Registered Tournaments.

OBITUARIES

ALBERT V. HAY, member of the Mt. Vernon Rifle and Revolver Club, and one of the organizers and charter members of the Ace Gun Club, of the Bronx, New York, died January 23 of injuries received in a gas explosion while employed by the Consolidated Edison Company of New York.

ORA W. CHANCELLOR, 40, past president of the Old Dominion Rifle Club of Richmond, Va., died February 14, as the result of an automobile wreck two days before. Having served in the Navy before, during and after the War, he was buried in Arlington National Cemetery. Members of the Rifle Club (with others) served as active and honorary pall-bearers.

DR. D. A. ATKINSON, president of the Fort Pitt Rifle Club of Pittsburgh, died April 3 in Suburban General Hospital, Pittsburgh, Pa.

WILBUR H. PAGE, 75, old-time rifleman and Life Member of the National Rifle Association, was murdered, May 2, by a paroled convict, after having been robbed. Mr. Page lived in the Northern Adirondacks for many years, where he spent much of his time in the out-of-doors with rifle and pistol.

CHARLES W. CUNNINGHAM, 65, secretary of the Teiton Rifle Club of Teiton, Washington, died suddenly June 2, of a heart attack. Mr. Cunningham was a tireless worker in the club's behalf and did much to organize shooting in his area.

CHALLENGES

The Arlington Rifle Club of Brooklyn, New York, wishes to arrange shoulder-to-shoulder small bore competition with any other club in their area. Meetings are held on the first and third Mondays of each month in the Dutch Reformed Chapel, Schenck and New Lots Avenues, Brooklyn. Communicate with Herman A. Reetman, 114 Avenue "C", Brooklyn, N. Y.

The Pelican Rifle Club of Louisiana, Inc., issues a challenge to any club, scores to be exchanged by mail. Small bore: any type of match, 50 feet to 200 yards; .30 caliber rifle: any part of the Army course up to 500 yards; Pistol: any N. R. A. course or Army course on targets "L" or "E". Interested clubs should contact A. G. Quina, 6845 Colbert St., New Orleans, for further details.

STOLEN GUNS

New Remington 37, # 01137. Notify W. B. Redden, Secretary, Piscataqua Rifle & Rev. Club, Portsmouth, New Hampshire.

U. S. Army Rifle, Star gauge, type "C" pistol grip, SA # 1348672, marked on barrel near muzzle was SA 36. Notify, Earl J. Ashton, 124 Brampton Road, Syracuse, N. Y.

Collection. 1 Winchester Rifle Model 86, Cal. 33 Ser. # 158983-A. 1 Winchester Rifle Model 1886 Cal. 33 Ser. # 45645. 1 Winchester Carbine Model 1892 Cal. 25/20 Ser. # 779960. 1 Savage Rifle Model 98, Cal. 303 Ser. # 144906. 1 Mauser Rifle Model 98 Cal. 8/MM Ser. # 3412 or 5006 German Army Rifle cut to 18" bbl. 1 Winchester Shot Gun Model 12, Ga. 20 Ser. # 917996. 1 Remington Shot Gun Model 17, Ga. 20 Ser. # 31072. 1 Colts Single Action Army Model Pistol Cal. 45 7½" bbl. Wood Grips Gun in poor condition. Do not have number. Notify W. F. Lundenberger, Bolivar, Ohio.

THE OPEN ROAD ANNUAL RIFLE MATCH

(Continued from page 38)

hard at the 1938 event, shooting on impromptu ranges in any available space, and at established ranges, where often local clubs cooperate by supervising the shooting.

Unique in shooting history, these matches receive a tremendous and impressive welcome in the sporting world. The immense scale of the matches is hard to visualize, but one may picture whole regiments of boys who have been introduced to the sport of rifle shooting in this manner.

These competitions have been aided materially by the active cooperation of the Junior Division of the National Rifle Association, which has supplied targets and technical assistance in the preparations for the matches and in the judging of the targets. Altogether 164 silver cups, 385 bronze medals and 2,000 bronze pins, offered by the magazine as prizes, have stimulated and rewarded the interest of *Open Road* readers in target shooting. In addition, this year a "recognition pin" goes to every boy making a return of his fired targets.

The Annual *Open Road* National Rifle Match is open to all readers of the magazine under nineteen years of age. There is a ten cent handling charge, and the targets are furnished free by the National Rifle Association. The contestants are divided into two main classes: Experts and Tyros. Experts, who shoot only against experts, are defined as those who have been winners or qualifiers in certain previous rifle matches—those who have won any competition medal awarded by the National Rifle Association or any prize in a shoot sanctioned by the N. R. A., or who have qualified as Sharpshooter, Expert, or Distinguished Junior Rifleman in the N. R. A. Junior Division, or who have won either a cup or a medal in a previous *Open Road* National Rifle Match.

The Tyros are divided into two divisions, depending on the weight of their rifles. Contestants using rifles which weigh (without sling) six and a half pounds or more are classed as Tyro Division I, while Tyro Division II consists of those using lighter rifles. This classification, an innovation in the match of 1936, has proved so satisfactory that it has been continued.

Contestants may compete as individuals or in 3-man teams. If there are one or more Experts on a team it is classified as Expert.

The use of slings and any position desired, without artificial support, is allowed. Sights may be of any type, except that no sights containing glass may be used, thus barring telescopic sights. The shooting must be certified by an adult witness-sponsor. Often rifle clubs have furnished assistance to the contestants in this respect. Any .22 calibre, rim-fire, factory-loaded lead alloy ammunition may be used. The range is fifty feet, and ten shots are fired on each of four 5-bull official targets. Scores are calculated and judged by *Open Road* and National Rifle Association officials. Observance of the safety code of the Association is required to prevent accidents. The competition lasts over two months each year.

In the 1937 match, six Experts scored 400, the highest possible total which is a record for *Open Road* matches. In 1936, there were two possible scores; in 1935, one. In 1934, the best scores were ten of 399 or 398; in 1933, six of 396 or 395. This record of steady improvement is borne out all down the line, from highest scores to lowest.

The Tyros, being less experienced, have of course scored lower. Winners have ranged between 394 and 386.

Team scores have averaged slightly below those of individuals, and since the introduction of the classifications of heavy and light rifles, the greater accuracy of the former has been reflected in the scores. Winners of the bronze pins have made high scores in the Expert class. In Tyro class Division II, they have included boys who have shot even below 200—thus giving encouragement to beginners.

We believe that the widespread interest

aroused in rifle matches among boys and young men scattered all through the nation has been even more important than the good scoring accomplished by the leaders. Each annual match has stimulated increasing fondness for this time-honored sport. Clean living, steadiness of nerve, clearness of vision, and coordination of muscles have been encouraged thereby. This competition, already a success, seems pointed toward even greater heights of usefulness.—ARTHUR MINOT REED.

S. W. DIMICK PROMOTED

Stephen W. Dimick has been named Vice-President in charge of the Small Arms Division of the Colt's Patent Firearms Manufacturing Company. Mr. Dimick is well-known to the handgun shooters, his personal interest in the performance of Colt guns in the hands of target shooters having caused him to be a frequent visitor at many of the more important pistol tournaments over the past several years.

Mr. Dimick has been with the Colt Company for approximately sixteen years, having joined the firm as a salesman in the midwestern territory in 1922, and has been Manager of the Small Arms Division of Colt's since 1929.

His many friends are wishing him continued success in his new position.

BOOK REVIEWS

"ELEMENTARY GUNSMITHING"

By PERRY D. FRAZER

This 208-page manual, published by Thomas G. Samworth at \$2.00, contains much valuable and necessary information for the amateur in the alteration, repair and stocking of firearms. It should appeal also to every-day shooters and gun bugs who are constantly confronted with problems of minor repairs, adjustments and refinements.

As the manual is intended primarily for the amateur, the author makes clear in the beginning the necessity of starting in a "businesslike manner". One point that is stressed, and one that might well be followed by some experienced gunsmiths, is not to promise to do a job right away when there is other important work which has also been promised "right away".

Of particular interest to the beginner is the space, description and drawings devoted to a clear explanation of the practicability of making many of the tools required by special types of work. One chapter is devoted to the explanation of various "routine shop jobs" with which the average gunsmith is daily confronted. Other chapters deal with mounting sights and scope blocks as well as the making and fitting of stock "jewelry", such as barrel-bands, grip caps and buttplates.

The author, realizing the possibilities of making good rifles out of the old, simple, single-shot actions, has not overlooked such good working material for the beginner as, for example, the Ballard, Stevens, Winchester and Sharps-Borchardt. In every case it is suggested that the rifle or action be sent to the factory for rebarreling and rechambering, no attempt being made to discuss this type of work.

One tried-and-tested formula is given for bluing firearms and several other simple methods for bluing small parts. For bluing firearms which require special treatment, the reader is referred to "Firearm Bluing and Browning" by R. H. Angier, a chemist whose conclusions are based on tests of well-known formulas.

The part of the manual dealing with stock-making and finishing is so clearly described and so well illustrated it should be easily followed by the rank amateur.

All-in-all, Mr. Frazer has done well to include so much good and useful dope in a manual of this size. It is available through the Book Department of the National Rifle Association—A. H. BARR.

DOPE BAG . . .

Conducted by F. C. NESS

Weaver Scope Sights have been further improved, and their story is well told and well illustrated in an interesting broadside now obtainable from El Paso. Some time ago the Weaver line was given new impetus through the Weaver improved (330-C and 330-S) scope, as good as claimed, and better than anything we've seen at the same price. Now the mounts have been improved in design, finish, strength and clamping. They will probably withstand any rigor which higher-priced bracket-type mounts will withstand. The complete line of former S-type mounts has been supplanted by these new T-type mounts. There is also a special T-02 mount for holding the 330, long-relief scope in low position on the Mauser. As a fine consideration for owners of S-type Weaver mounts, W.R. Weaver will accept them, model for model, plus 75 cents, in exchange for the new type-T.

The Parker Skylite Sight is a hooded hunting sight out of Medford, Oregon. Like the Watson No. 2 target sight it is open on top to let in the skylight for a bright bead effect and this may be closed quickly for a silhouette effect. Also like the Watson, it has a small bead on a cross-ribbon, making it possible to hold over without covering the mark at the longer distances. Again like the Watson inserts, these too have small-size beads. The standard bead is .045 inch, but they can be had as small as .035 and up to nearly $\frac{1}{16}$ inch for the coarse size. Target inserts include posts and apertures, both round and square. Interesting, versatile and apparently practical, but as yet unseen.

Frank Mittermeier has a good buy on tool-steel burrs of superior quality containing 3% Tungsten. They have $1\frac{1}{4}$ -inch shanks $\frac{1}{4}$ -inch thick. Two dozen in a handy slide-cover wooden box, cost \$6.50, in assorted shapes.

Comet Special Center Drill in $\frac{3}{16}$ -inch diameter can be had for cutting through scale or case-hardened parts without annealing. It costs \$3.50, plus 25¢ for a special honing stone. Also available in other sizes at other prices from Comet Tools Inc., 39 Union Square, New York City.

Folding Bench Rest of metal will be made up on order at \$25.00 by H. S. Newcomb, 58 State Street, Vineland, New Jersey. We are using one of these Newcomb bench rests side by side with our own, home-made, portable bench rest and like it about as well. It has a rifle-rest under the table, a leather-padded rest and scope holder on top. The single rear leg with seat attached comes out of its socket, and the other two legs with their braces attached fold flat. The spread is about a yard wide, but it goes into the car easily.

Speedlube is the trade name of a colloidal graphite bullet lubricant which is claimed to eliminate leading when painted on alloy bullets. Higher velocities are made possible with such treatment of gas-check bullets it is said. This thin coating is painted on and should solve the problem of adequately lubricating tapered bullets or those undersized bullets which must be used as cast. It is marketed in wide-neck bottles by the Riflemen's Service Co., of New York City.

Charles W. Moore, 10 West Crescent Ave., Allendale, N. J., lists a wide scale of prices for his varied restocking services and guarantees satisfaction. Fitting the customer's rough-turned stock or inletted blank is \$5.00, or the wood is also furnished at \$10.00 for American walnut and at \$12.50 for French walnut. Target-type stocks, having higher combs and thicker forestocks, cost \$1.00 to \$1.50 more than the Sporter-type. Sling swivels, buttplate and oil finish add \$5.00 to the cost of the job, and so on upwards.

TRADE DOPE

Low Sanderson Stocks of checkered walnut seem to fit the hand. They have a characteristic sweeping thumb rest of a smooth curve suitable for both slow fire and rapid fire. Wyman has a pair which we tried on our O. M. Colt with fine results.

Roy Walker of Bausch & Lomb has a clever B & L. gadget which fits on a car window and holds the standard of the B. & L. scope stand. Our Freeland stand also fits it. A spotting scope in the window is a fine arrangement behind the ready-line at the matches and also on a varmint hunt or scenic trip.

Long-Barrel .32 A.C.P. M. DuMond, Route 1, Stevens Point, Wisconsin, converts the "Pocket Model" Colt .32 Auto pistol to a small-game side arm by fitting a barrel twice as long (about 6 inches) as the factory job. A big ivory bead and V-notch rear sight completes it for woods use. The holding and aiming quality is improved by the greater weight and longer sight radius. The accuracy is improved by DuMond's closer-fitting chamber. His complete job on your .32 A.C.P. costs \$7.50.

Eric Johnson, the barrel maker has a fine stock for the M2 Springfield with a most comfortable cheek rest and forestock; also for other small-bore rifles, and a tube sight for any of them. The cheek rest is concave and very high for ideal support. To remove the bolt, the comb is pulled back and so released and removed. Imbedded metal plates assure an everlasting contact surface, and adjustment screws keep the joint tight, always.

Sporting Firearms is a 44-page (8 $\frac{1}{2}$ " x 11") illustrated catalog issued by the Remington Arms Company. It seems like more than a decade has passed since Remington ran completely out of large catalogs, and this new one should be most welcome to most shooters.

"Feather Weight" Scope Mount is furnished by Fray-Mershon Inc. at \$6.50 for 22-mm (7/8-inch) hunting scopes on all rifles having up to and equal to the recoil of the .30-'06 caliber. It is a short side-bracket mount of light metal, and it weighs about 2 ounces. Before the end of the year it will also be made for $\frac{3}{4}$ -inch scopes.

Prescription Eye Cup of the optically-superb, Watson type (Marble-Goss) can be obtained for \$4.75 from Joe Goss, 4709 Ellis Ave., Chicago, Illinois. The small lens properly ground to the shooter's prescription is placed, as it should be, in front of the aperture in the eye cup. This qualifies for the iron-sight matches and is good news for wearers of prescription glasses. It not only supplants the glasses in small-bore shooting, but is guaranteed to give an improvement of at least 1% over them.

R. W. Roberts, Bronson, Michigan, has an adjustable handstop for the forestock of match rifles. The wood must be cut out for its notched track which provides for several locations of the hand stop. The latter is merely tilted back to unlock it and then shoved or pulled to the desired notch. The curved aprons of the base are made in two widths and on two radii for fitting both the beavertail and narrower stocks.

Stoeger Arms Corporation is the new name for A. F. Stoeger, Inc., who are going to put out a 1939 Worlds Fair edition of their catalog in September. This jubilee number will have 512 pages, 70 of which will be a section on gunsmithing tools. There are to be 15,000 items and 6,000 illustrations.

The Atlas Press Company is publishing a series of well-illustrated and informative "catalogettes". No. 28 deals with presses, No. 29 is about new small lathes and No. 30 is about the new Atlas shaper.

Fine Leather Rifle Cases are made by the Hinson Manufacturing Co., of Waterloo, Iowa. We are using an "extra-heavy-weight" made of $\frac{1}{2}$ -ounce top-grain cowhide which is closed with a zipper. The ends are die formed and are much heavier (8-ounce top-grain strap leather). The "extra-heavy-weight" leather is .075 inch thick, and there is a "heavy-weight" sample .050 inch thick. Of the latter material the same case costs \$5.75. In optional, brown or black color, these cases are very attractive, and we consider the value to be exceptional.

Wollensak Draw-Tube Spotting Scopes are now listed at \$11.00 in 15X and at \$14.00 in 20X, we have been informed.

New Model Monomount is a fine job by G. N. Albrete for internally adjustable scopes, and the price is only \$3.75. The thin bands are now oil tempered for secure gripping of the scope tube and the finish has been improved. This is a fine mount for the receiver hood of the M-70 or old M-54 Winchester. It is furnished with a base to fit the hood and to match the two factory screw-holes together with two 6-48 screws. A lug on the base takes the recoil. Neat and light and low in position, this new No. 1 Monomount is a fine outfit for Weaver scopes. We believe all the "bugs" have now been removed, and we recommend it. It is also economical. Albrete mounts are made for other rifles and in other models at the same price, as described in his circular. Send him a stamp for same.

Folding Pistol Stand at \$7.50 can be had from G. F. Fries, 68 Lincoln Way West, Chambersburg, Pa. Collapsible legs with jointed braces support a hollow standard which contains the staff and V-rest for the spotter. This provides for different heights in the standing and sitting positions. The scope may be swung laterally across the line of targets. All metal, it folds to nearly a yard and weighs more than six pounds, being too bulky for a kit. A plain, aluminum-paint finish is used. Not attractive, but a practical stand at a fair price.

Jordan Reloading Tool accessories now include a spotting gauge or vision-gauge for checking headspace lengths of rimless cartridges at \$1.00 each, and a shell trimmer for the .38 Special. The latter insures a uniform length and thereby uniform crimping. We are also getting a punch for our Jordan tool to reduce No. 2½ pockets to hold the Government pistol primer.

P. J. O'Hare has an interesting catalog, No. 11, which contains 150 pages dealing with shooter's equipment and all illustrated. Of particular interest are the British accessories selected for American shooters from the Parker-Hale line. We bought several elbow pads for hot-weather prone work, and are intrigued by the Lens Holder-Six Hole Eyepiece of the same make. These are unique in that the prescription lens may be conveniently removed for cleaning and replaced in identical position which is highly important. There are more than a dozen American importers of Parker-Hale equipment, but Paddy O'Hare is the principal one. At any rate he is always first remembered in that connection.

Robert U. Milhoan, West Virginia gunsmith, says he has discontinued experiments with the shortened and necked-down .22 Savage H.P. case.

Davis Engineering Works, Grand Island, Nebraska, have standardized on a line of plain but practical rifles for long-range varmint shooting in .22-4000, .220 Swift, .257 Roberts, .250 Magnum and .30-'06 calibers. Prices range from \$110.00 to \$135.00. The featured caliber is a .30-'06 case necked to .22, which develops 4500 f.-s. with 40-grain bullets and 4000 f.-s. with 55-grain bullets.

The prices include a 32-ounce, special, varmint scope-sight of high luminosity for late and early shooting, which makes these sporters weigh 12½ pounds. R. E. Davis says he can shoot jacks at 200 yards when it is too dark to see them with the unaided eye and that he made a 1¼ minute group after 8:12 P. M. on May 20th.

The objective is 1¼ inches and the ocular 1-inch with an eye relief of 2½ inches. Power about 15X. Small but brilliant field. Flat top post adjustable for parallax and eye-piece rotated for individual focus. Tube diameter, ¾ inch, tapered to 1¼ inches in front. Material, steel, ½ inch thick. Also to be made of aluminum alloy in lighter weight. Scope appears to be very long, like a spotter, reaching from small of grip to forestock tip. Target-type outfit with steel, ring mounts, external click adjustments and nearly as high as Super-target outfits. Base blocks are wider and lower than usual, both sweated on. Rear base also screwed to top of receiver and front base on band encircling barrel.

The rifle described has GEW '98 Mauser action, bolt-handle angle altered (\$5.00) striker speeded to ½-inch travel (\$5.00) and trigger made adjustable from full-military to no take-up by a screw in front of guard (\$2.50).

Military stock altered to short fore-end with sporting swivel, pistol grip of wood fibre and cheek rest of walnut, both cemented on butt-stock. Finish, Lin-X, a patented resistant, durable but not pretty, judging from photo. Outfit unseen, and described without recommendation.

Winchester Leader, a smokeless .22 Long Rifle cartridge, is to Staynless EZXS, a segregated match cartridge, what Western Expert is to Super Match. In each case the match load is made, handled, inspected and tested more carefully or thoroughly than the run-of-the-mill load. Jack Hession told me recently one factory-test target came through with all but one shot of 50 in a ¾-inch circle at 100 yards. The five 10-shot groups average .82 inch. The HS-38 Lesmok match load has also been recently improved.

In the M-72 Winchester and in our M2 Springfield, Super Match and Leader shot neck-and-neck at 100 yards from bench rest. Jack sent us a 50-shot composite group made by the Leader load in an M-52 at 50 feet. The 10-shot groups averaged .17 inch and the 50-shots group measured .20 inch.

Marble-Goss receiver and extension sights make the new 1938-39 catalog of Marble's Outing Equipment seem different. It contains a postal card for the convenience of those prospective customers who would like to receive annually each new issue of Marble's catalog. New items include the Marble-Goss receiver-tang sight for all small-bore target rifles, the new sleeve-type military and sporting sight for the M-1903 Springfield, Krag and Winchester bolt-actions and the extended receiver-type of rear sight for the M-1917 Enfield and Remington bolt-actions.

We have used the Marble-Goss extension sight on our .30 Remington Express Model and had good results with Peters 180-grain belted bullet ammunition. We used a blackened Belding & Mullen sight and fired at 100 yards for groups and zero. This rimless equivalent of the .30-30 Winchester gave us 10-shot groups of 2.54, 3.91 and 3.50 inches. The last two had nine shots in 2.63 and 2.42 inches, respectively. On our model 30-A rifle with 22-inch barrel 36 clicks elevation changed the impact 9.65 inches at 100 yards.

We also have the Marble-Goss sleeve sight on our Springfield Sporter, but have not fired it as yet. We did adapt it to the M2 Springfield for a preliminary tryout. These sights have their own safeties and can be easily fitted and removed, making it possible to use it on a

Service or National Match Springfield without changing or disqualifying that rifle for military matches.

Hi-Skor and Target are new smokeless match loads for small-bore shooters bearing the Remington and Peters brand names, respectively. We were interested in comparing results under match conditions, including a little wind at 100 yards, and in several heavy-barrel target rifles.

My straight 52 Winchester with Womack-Thomas trigger, Barr's Hubalek-52 with uncertain ignition, our 417 Stevens with heavy trigger pull, our M2 Springfield with Eric Johnson, 8-groove barrel and the Model-37 Remington (Camp Perry No. 6) as issued were used in this comparison test. On all these rifles we used the 15X Super Targetspot and 8X Fecker, both with center-dot cross-hairs by T. K. Lee. We fired them in pairs, side by side, beginning with the Stevens and Remington.

In order to get the relative impact we first zeroed each outfit in turn in the X-Ring using Super Match (55NCC) ammunition. Divergence of the other loads from this zero is indicated by the impacts given in this report. Leader and Super Match seemed to agree closely in this zero shooting in three of the rifles. These preliminary results were as follows:

Rifle	Sup. Match	Leader
52-W	1.32 inches on aim	1.35 inches 0.10" high
M-417	1.72 inches on aim	1.83 inches on aim
M-37	1.61 inches on aim	2.61 inches 1.20" high

It was evident that the Stevens and Remington preferred some other load to Leader or Super Match. These two rifles were then shot side by side with Remington Hi-Skor and Peters Target, using the same scope and zero. The 52 Winchester and Johnson-M2 were also paired up, but the Hubalek-52 was fired by itself. Results were as follows:

Rifle	Hi-Skor	Target
M-417	1.89-on aim	2.48-on aim
"	2.29-on aim	1.40-0.25" low
M-37	2.45-on aim	2.03-0.30" high
"	1.13-0.35" high	2.30-0.30" high
M-52	2.06-0.70" high	1.77-0.60" high
"	1.86-1.20" high	1.30-1.30" high
M2	1.45-0.35" low	1.32-on aim
"	1.32-0.20" low	1.33-on aim
Hub-52	1.85-0.25" high	1.84-0.45" high

In the Hubalek-52, Leader and Super-Match, Tackhole and Wimbledon Match, and some old Palma Match all grouped into about 1½ inches per 10 shots on that same day. As compared with the zero of the first two Tackhole landed 2.40 inches low and Palma Match 2.25 inches low at 100 yards.

For consistent grouping with all loads the 52 Winchester did well in this test, but the Johnson-M2 proved to be the most versatile. Its biggest group was 1.45 inches and its smallest 1.23 inches, both coming with Hi-Skor. In the straight 52-Winchester Dewar Match grouped into 1.55 inches and landed 1.05 inches below the Super Match zero in this same test.

Group sizes are representative of outdoor match conditions and should not be considered as a part of an ammunition test. In fact many of the groups reported were greatly enlarged by a single shot caused by a puff of wind.

Wind and Weight. To observe the influence of bullet weight on impact in a cross wind we picked a condition on the N. R. A. range which gave us a fairly steady 15-mile wind from about 9 o'clock, and fired several weights of Sisk .22-caliber bullets at 100 yards and 200 yards.

For zero, at 100 yards, 4 minutes left windage was required, but an extra minute was added to place the impact slightly to the left of aim, or definitely into the wind. In spite of this negative windage the impacts were appreciably to the right of aim at the longer range; that is at 200 yards.

In the .22-3000 Lovell (20-inch twist) the 55-grain Hornet bullet shot 0.90 inch left of center at 100 yards and 7.10 inches right of center at

200 yards, or 8 inches more wind drift over 200 yards as compared with 100 yards. The 40-grain Hornet bullet landed 1.30 inches left at 100 yards and 3.40 inches right at 200 yards, a difference of 4.70 inches between the 100-yard and 200-yard deflections. For the total deflection, muzzle to 200 yards, the 4 minutes left windage on the gun must be added. With this same zero the 55-grain Hornet bullet landed only 0.55 inch right at 200 yards for a total deflection of 9.0 inches, against 13 inches for the 40-grain bullet and 16½ inches for the 35-grain bullet.

During the same period the .220 Swift (16-inch twist) was fired by my associate, Barr, and we noted the 48-grain pointed bullet (at 4140 f.-s. m.v.) blew 4.35 inches right, while the 55-grain pointed bullet blew 2.20 to 2.90 inches right using equivalent handloads.

The R-2 Lovell (14-inch twist) was fired also with 50-grain Lovell and 55-grain Niedner bullets. The heavier bullet blew 4.50 to 4.95 inches right at 200 yards against 4.75 to 6.25 inches for the lighter bullet. Between 100 yards and 200 yards the 50-grain Lovell bullet blew 4 inches. The load was 16.6 grains of 4198 powder.

During the same period, Barr was shooting the G. & H. .22 Niedner Magnum (16-inch twist) with the same two bullets. Here again the 55-grain blew less, or only 0.40 inch maximum against 0.70 to 1.70 inches for the 50-grain bullet at 200 yards. There was 3 minutes negative windage on the rifle at 100 yards, which adds 6 inches to the total drift.

Our results clearly indicate that the wind deflection varies inversely as the bullet weight increases in a given caliber and velocity level.

Optical Sights. There are now a number of tubeless glass sights available. In addition to the Parker-Hale, which is on the way, we have one by E. Wangelin Wagner and another by Joe Goss. We have also been using a No. 1 Kodak Portrait lens in our own adapter.

A low-power lens is used ahead of the Red-field or Lyman front sight and a small aperture is used in the rear sight. The Merit Iris peep is particularly good for this, because it can be stopped down to suit the immediate requirement. Merit now has a special small iris-aperture of .015 inch to go with Mr. Wagner's No. 2 Semi-Scope. For his Tubeless Scope, Joe Goss uses an .036 aperture or a minus lens ahead of the aperture in a Marble-Goss eyecup. We found the Vaver .040 aperture would also serve.

These sights are a definite improvement over the iron sights with which they are used. In the small-bore competitions, however, they are relegated to the "Any Sight" matches and must compete with scopes. While some shooters like them better on account of absence of wobble, we do not think they are preferable to the scope.

Do Not Start with Heavy Loads—I am having a .257 Roberts rifle made on a Springfield action by Mr. Charles A. Evans of Klamath Falls, Oregon, formerly of Sheridan, Wyoming, and being as your advice has always been good in the past, I would like to have your opinion of this rifle the way I am having it made.

I am having Mr. Evans make the barrel 26 inches long with the 10-inch twist to the rifles. The barrel is extra heavy, being quite some heavier than my D.C.M. Springfield Sporter. It is 11/16 inch at the muzzle with the straight taper, while my Springfield Sporter is 10/16 or ¾ inch at the muzzle. The barrel is made of Ordnance steel.

It has the tightest chamber I ever saw on a gun. In fact, when Mr. Evans went to chamber the barrel he broke his pet chambering tool and had to send to New York for a new one. It is so close-chambered that a shell fired in his own .257 Roberts, on the Mauser action, could not be forced into my gun, but it would go right back in his gun or into the new, Model-70 Winchester, .257 Roberts. Also he would reload the shells shot in my gun and not resize them or reneck them, and they would work fine in his own gun or in the Model-70 Winchester, but shells shot in either of those guns could not be forced into my gun. Furthermore, it would not take a 15/10,000-inch headspace gauge, even by using force.

I am having a native, walnut stock made for it with a cheek rest. The blank is the prettiest I ever saw, and everyone who saw it said the same thing. As for sights, I am not having any sights put on it at all, excepting my Hensoldt Ziel Dialyt or Zielyt telescope with the low Griffin & Howe mounts mounted as low as possible.

When he got the barrel finished he took it out and tried it with some iron sights. He stuck it in a Government stock and, from sand-bag rest, shot two 5-shot groups at 100 yards, and one measured 1 1/4 inches and the other, 1 3/8 inches. He tells me barrels like that one don't come in bunches. The action number is up near the 2,000,000 mark. What is your opinion of this gun as I have described it? I know you would have to see it and shoot it to know much about it.

I intend to use the 100-grain bullet made by the Western Tool & Copper Works of Oakland, Calif., with either 40 or 41 grains of No. 4064 powder. Mr. Evans tells me that in the regular 24-inch barrel 41 grains makes the 100-grain bullet travel 3100 f.-s. and that in my gun, with its 26-inch barrel and extra tight chamber, it will travel close to 3200 f.-s.

I have been looking at a book on reloading by Phil Sharpe and it shows the 87-grain bullet with duPont 3031 powder traveling 3500 f.-s. and the 100-grain bullet with duPont 4064 traveling 3100 in the 24-inch barrel. Any suggestions or information you can give me about this rifle as described will certainly be appreciated.

I read a letter from a man in Alaska, for whom Mr. Evans made a .257 Roberts, and he says, with the exception of the .280 Ross, the .257 Roberts is the deadliest killer he ever saw. He has killed over 100 head of big game, including 25 moose, 1 whale, several elk, Glacier bear and several caribou.—B. A. F.

Answer: As you describe it you have a splendid rifle, one to make any rifleman proud. With its abnormally tight chamber it is probably better adapted for handloads carefully fitted to the gun than to factory loads. I would consider it too tight for sporting purposes with factory ammunition. Occasionally you may encounter a maximum-size factory cartridge which will seat with great difficulty and this may come in a situation requiring fast reloading of the chamber. The 10-inch twist should do well in your rifle with both the 117-grain and 115-grain bullets as well as the 110-grain and 100-grain bullets. I think you have made a good selection in the new improved .25 caliber Hi-Power bullet of 100 grains weight as made by the W.T.&C.W. for .25-caliber rifles. While I would not change the barrel in any particular, I do think that 100-grain bullets might do better with a slightly slower twist of between 10 inches and 14 inches.

I would caution you particularly about using the very heavy loads which you have in mind. As the throat wears in you may find that you can use such loads safely at some later date, but I would suggest that you start with 35 or 36 grains 4064 powder when using modern non-corrosive primers, and with 37 or 38 grains when using Frankford Arsenal No. 70 primers. In case this does not properly impress you let me point out that the maximum load with this bullet in a normal .257 Roberts is only 39.0 grains weight with Frankford Arsenal No. 70 primers and 5% less with modern noncorrosive primers. In your new rifle with original unworn throat and very tight chamber this maximum load should be further reduced 1 grain. Eventually I think you will be able to use more normal loads, but I hope you will not try them at the beginning.

The load which you mentioned is for a normal or standard 100-grain bullet even with modern noncorrosive primers in a normal .257 Roberts rifle, that is 41 grains 4064 powder with a seating depth of .45 inch and overall cartridge length of 2.75 inch. On the other hand, also in a normal rifle, but with the less violent Frankford Arsenal No. 70 primer, the maximum load with the W.T.&C.W. 100-grain bullet is 36.4

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grains weight No. 3031 powder. With a normal 100-grain bullet and modern primers in a normal barrel the maximum load is 38.5 grains weight of 3031 powder. This should demonstrate the difference to you but in addition remember these are all for normal barrels and not for tight chambers, which loads should be further reduced at least 1 grain.

ON SUBSTITUTING BULLETS

I HAVE a case of Frankford Arsenal ammunition—1933 ammunition lot No. 1668, powder L.M.R.-17. I want to pull the Service bullets in this ammunition, reassemble with bullets suitable for hunting and reweigh the powder. I am interested in the best possible loads for the three following types of game: elk, Wyoming antelope, vermin, mostly jack rabbits (do not want cast bullets).

What I would like to know is the very best bullet to get for each of above, and the charge of powder to use behind each bullet, using the powder above specified. After pulling the bullets do I have to resize the necks?—A. M. L.

Answer: When you pull the bullets from Service Ammunition with the Belding & Mull bullet puller or Pacific bullet puller, both of which work on a straight-line principle, you will not have to remove the powder charge or size the neck unless you use sub-caliber bullets like some of the .30-30 caliber issue. One thing you must guard against and that is increasing the seating depth or the bullet weight which will increase pressures. It is practical to directly substitute such bullets as the 93-grain Luger soft-point pistol bullets, any of the .32-20 caliber bullets and any .30-30 caliber bullets weighing up to 170 grains. The pressure will be very slightly increased when seating the 170-grain .30-30 caliber bullet over the normal charge for the 172-grain bullet.

L.M.R. powder No. 17 in your ammunition is not a canister lot and no loading data is available on it. You can figure your muzzle velocity as about 2600 f.-s. and your pressures around 45,000 pounds to 47,000 pounds in the load as is. You can compare this with other published loads after weighing a number of charges to arrive at an average. From this you can estimate the relative velocities and arrive at the proper charge weight. I would not care to be responsible for doing this for you. However, the ratio would call for about 2 grains less of No. 17 powder as compared with loads of No. 17 1/2 powder, and about 3.5 grains less of 17 powder as compared with L.M.R. 3031 powder.

Perhaps the safest and easiest method would be to directly substitute such 180-grain bullets or sporting bullets as the Winchester Precision soft-point 172-grain, the 180-grain Western soft-point and the 180-grain Western Lubaloy



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open-point. These would give you good loads for the bigger game providing you select a bullet which you can seat out slightly and use the maximum overall length which will throat and feed through the magazine in your rifle. For such game as antelope and jackrabbit and especially for deer I would suggest substituting the .30-30 caliber 150-grain Western Lubaloy open-point bullet which would make an excellent deer cartridge at that velocity and might prove to be more accurate than one of your lighter bullets for jackrabbit shooting. The velocity would be about 2700 f.-s. which is ideal for this bullet and the purpose.

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WESTERN SMALL BORE CHAMPIONSHIPS

RICHMOND, CAL.—JUNE 11-12

WESTERN STATES CHAMPIONSHIP
An Aggregate

1. J. O. Miller, Los Angeles, Cal. 1377
2. L. A. Pope, Los Angeles, Cal. 1373

TWO-MAN TEAM MATCH

1. L. A. Pope, Los Angeles, Cal. 394
- John O. Miller, Los Angeles, Cal. 396

M. G. LUTIC MATCH—100 YARDS, Iron

1. O. C. Marckmann, Pasadena, Cal. 392

50 METER—IRON SIGHTS Int'l Target

1. John O. Miller, Los Angeles, Cal. 396

200-YARD SWISS MATCH

1. Otto C. Marckmann, Pasadena, Cal. 42 Bulls

JUNIOR CHAMPIONSHIP—50-YARD, IRON

2. Wallace Allen, Alameda, Cal. 197

ALL-NIGHT OUTDOOR MATCHES

SACRAMENTO, CAL.—JUNE 25-26

INDIVIDUAL 100-YARDS, ANY SIGHTS

1. B. G. Simms, Sacramento, Cal. 398

INDIVIDUAL 100-YARDS, IRON SIGHTS

1. B. G. Simms, Sacramento, Cal. 398

YAVAPAI RIFLE AND PISTOL CLUB TOURNAMENT

PRESOTT, ARIZ.—JUNE 25-26

50-YARD INDIVIDUAL

1. L. A. Pope, Los Angeles, Cal. 395

50-METER INDIVIDUAL

1. B. Monroe, San Bernardino, Cal. 389

100-YARD INDIVIDUAL—IRON

2. L. A. Pope, Los Angeles, Cal. 386

100-YARD, ANY SIGHT

1. L. A. Pope, Los Angeles, Cal. 395

HIGH AGGREGATE

1. L. A. Pope, Los Angeles, Cal. 1554

TWO-MAN TEAM MATCH

1. S. D. Cox, Phoenix, Ariz. 776

- Tom Imier, Phoenix, Ariz. 774

- Ed. Houchin, Prescott, Ariz. 774

- C. J. Bones, Prescott, Ariz. 774

5-MAN TEAM MATCH

1. Phoenix Rifle Club 1943

WEST TEXAS RIFLE CHAMPIONSHIPS

PLAINVIEW, TEXAS—JUNE 19

GRAND AGGREGATE

1. J. R. Martin, Wichita Falls, Tex. 1559

2. Frank Record, Wichita Falls, Tex. 1549

TWO-MAN TEAM MATCH

- 50 METERS, IRON

1. E. Martin, Wichita Falls, Tex. 389

- J. R. Martin, Wichita Falls, Tex. 389

DEWAR MATCH—100 YARDS, IRON

1. E. Martin, Wichita Falls, Tex. 386

50-METER, IRON SIGHTS

1. J. R. Martin, Wichita Falls, Tex. 393

50 YARDS, IRON SIGHTS

1. E. Martin, Wichita Falls, Tex. 391

2. Frank Record, Wichita Falls, Tex. 393

SIXTH ANNUAL IOWA STATE CHAMPIONSHIPS

CAMP DODGE, IOWA—JUNE 18-19

DEWAR COURSE—ANY SIGHTS

1. V. F. Hamer, Woodstock, Minn. 398

DEWAR COURSE—IRON SIGHTS

1. V. F. Hamer, Woodstock, Minn. 398

U. S. GRANT MEMORIAL MATCHES

ROCKFORD, ILL.—JUNE 10-12

DEWAR MATCH—IRON SIGHTS

1. Lew Bulgryn, Owen, Wis. 398

DEWAR MATCH—ANY—Restricted

1. Ernest Gardiner, Rockford, Ill. 394

GRAND AGGREGATE—ANY SIGHTS

1. W. B. Woodring, Alton, Ill. 1192

100-YARD, IRON SIGHTS

1. W. B. Woodring, Alton, Ill. 398

DEWAR MATCH—IRON SIGHTS

1. Arthur Knudsen, Chicago, Ill. 399

2. J. S. Chemel, Chicago, Ill. 398

DEWAR MATCH—IRON—MEDALISTS

2. Lew Bulgryn, Owen, Wis. 399



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MARTIN



HAMER



BULORIN



GARDINER



...



SCARBOROUGH



COX

IMLER



DAVIS



HADERER

GRAND AGGREGATE—IRON SIGHTS

2. Edwards Brown, Alton, Ill. 1189

DEWAR MATCH—SCOPE SIGHTS

2. Arvel Franz, Alton, Ill. 398

FREE RIFLE MATCH—50 METERS

- 20 Shots Prone and 20 Offhand
1. W. B. Woodring, Alton, Ill. 373
2. J. S. Chemel, Chicago, Ill. 361

ALL AROUND CHAMPIONSHIP

- An Aggregate
1. Arvel Franz, Alton, Ill. 794
2. Edwards Brown, Alton, Ill. 794

ANY SIGHT CHAMPIONSHIP

- Dewar Course
1. Arvel Franz, Alton, Ill. 398

DEWAR—FOUR-MAN TEAM—ANY

1. East Alton Rifle Club, East Alton, Ill. 1592

DEWAR—FOUR-MAN TEAM—IRON

1. East Alton Rifle Club, East Alton, Ill. 1585

FOURTH ANNUAL GERMAN RIFLE

- CLUB TOURNAMENT
- CLEVELAND, O.—JUNE 4-5
- 100 YARDS—IRON SIGHTS
1. Wm. Patriquin, Ernest, Pa. 400
3. Dr. E. M. McLean, Bradford, Pa. 393

50-METER—ANY SIGHTS

1. V. Z. Canfield, Mogadore, O. 398
2. Leo C. Barrett, Akron, O. 398
3. Wm. Patriquin, Ernest, Pa. 398
4. John Wark, Buffalo, N. Y. 397
5. Dr. E. M. McLean, Bradford, Pa. 396

TWO-MAN TEAM MATCH—50 METERS

1. Wm. Patriquin, Ernest, Pa. 197 | 395
- Ray Loudon, Butler, Pa. 198 |

LADIES' MATCH—50 YARDS—ANY

1. Mrs. M. Jensen, Cleveland, O. 200

50-METER MATCH—IRON SIGHTS

1. F. A. Worthen, Barberton, O. 398

5-MAN TEAM—50 METERS—IRON

1. Zeppelin Rifle Club, Akron, O. 977
2. German Rifle Club, Cleveland, O. 970

INTERNATIONAL MATCH

- CLEVELAND VS. BERLIN, GERMANY

American team won by 127 points. Thirteen of the 20 team members used SUPER-MATCH. All but one used the Winchester Model 52 rifles.

ANNUAL WALNUT CREEK RIFLE

- CLUB MATCHES
- ERIE, PA.—JUNE 17-18
- 50-YARD MATCH—ANY SIGHTS
1. Mrs. Marianne Jensen, Cleveland, Ohio 400—28-X
2. Wm. Patriquin, Ernest, Pa. 400—27-X

100-YARD MATCH—ANY SIGHTS

2. Wm. Patriquin, Ernest, Pa. 396

TWO-MAN TEAM MATCH—50 YARDS

2. W. D. Scarborough, Akron, O. 397
3. C. J. Rider, New Kensington, Pa. 396
4. G. Braendle, Lakewood, O. 395
5. Ray Loudon, Butler, Pa. 394

DEWAR MATCH—ANY SIGHTS

1. M. S. Henning, Coraopolis, Pa. 400—29-X

GRAND AGGREGATE

2. W. D. Scarborough, Akron, O. 1584

THIRD ANNUAL ZELIENOPLE

- MEMORIAL DAY MATCHES
- ZELIENOPLE, PA.—MAY 30
- 50-YARD MATCH—ANY SIGHTS
1. J. I. Davis, Wilkinsburg, Pa. 200
- 100 YARDS—ANY SIGHTS
1. J. I. Davis, Wilkinsburg, Pa. 19713X
- 100 YARDS—IRON SIGHTS
1. F. Thompson, Pittsburgh, Pa. 19710X

GRAND AGGREGATE

2. J. I. Davis, Wilkinsburg, Pa. 98531X

NEW YORK STATE SMALL

- BORE MATCHES
- CAMP SMITH, PEEKSKILL, N.Y., JUNE 4-5
- NEW YORK STATE PALMA MATCH
- 15 Shots at 200, 250 and 300 Yards
1. George Haderer, Woodhaven, L.I. 423

GENERAL DYER MATCH—100 YARDS,

- SCOPE
3. C. A. Hanke, St. Albans, N. Y. 100

GENERAL SPENCER MATCH—100

- YARDS, IRON
3. J. A. Borokhovich, Brooklyn, N.Y. 100

CAMP SMITH WIMBLEDON—300

- YARDS, ANY
2. E. B. Mechling, Scarsdale, N. Y. 95

MAINE SMALL BORE MATCHES

- SKOWHEGAN, MAINE—JUNE 25-26
- LONG RANGE CHAMPIONSHIP
- 200 YARDS
1. Everett Tucker, Montpelier, N.Y. 198

MID-RANGE CHAMPIONSHIP

- 100 YARDS
2. L. A. Conant, Lincoln, N. H. 397

INDIVIDUAL DEWAR

2. L. A. Conant, Lincoln, N. H. 398

OFFHAND CHAMPIONSHIP

- 100 YARDS
2. L. J. Taft, Barre, Vt. 166

Western
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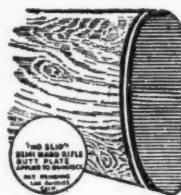
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If you do not have tools I would suggest you buy the Belding & Mull Model-26 or 28 with the bullet puller head which costs \$2.00 extra. The Model-26 with separate die-and-plunger seater would be very convenient and somewhat cheaper. With this tool you could then resize the case neck for the smaller .30-30 caliber bullets. The vertical Pacific tool is excellent for this purpose if you have one, as you can get a bullet puller head for it from the makers. The Belding & Mull tool must be used at a 45° angle or a verticle angle to avoid spilling powder in bullet pulling and in neck sizing.

MEMBERS' DOPE

LET'S go back to the days when I was starting in with my own experimenting. One of my first good center-fire rifles used the straight tapered .32-40 case. I used black, and later, semi-smokeless powder. Soon after this Winchester brought out the Model 94 to handle the .30-30 case. Maybe you think this new case didn't create a sensation. It was loaded with a new kind of smokeless powder.

About this same time, around 1895, the duPont Company introduced their No. 1 bulk smokeless powder, and some of us who were using the tapered .32-40 case lost no time in trying it out. This bulk smokeless gave fine results in most any of the old black powder cases.

Then some of us got the idea that if we would use the same kind of dense powder that was used in the .30-30 case, in our .32-40 shells, we would get results as good as if we were using the .30-30 rifles. But, sad to relate, it didn't work out that way. This trouble was blamed on about everything, but the real cause was the difference in the shape of the two cases.

A few years after that, and while shooters were still trying to load the .32-40 case to give results on a par with the .30-30, the Winchester Company took up the matter, and solved the trouble, by bringing out the .32 Winchester Special, which is the .32-40 case with the bottle-neck. Note that in both the twist and groove diameter it is nearly the same as the .32-40.

If you will examine both cases carefully you will find that about all the Winchester Company had to do was to add the bottle-neck feature. This .32 Winchester Special was an instant success, and many users of the older .32-40 rifles bought the new rifles that used the bottle-neck

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case, for use mostly in deer hunting. The fact that it had a slower twist, 16 inches, made it a favorite with the old timers who were used to the .32-40 rifles. Many were the arguments, heard around camp fires of the deer hunters in those days, in regards to ballistics.

One side favored the .30-30 with its 10-inch twist, while the other side allowed as how the .32 Special was better, on account of it having the 16-inch twist. I should know about this, for you can bet I did my own share of arguing. I was all in favor of the .32 Special.

Here is a simple test that will show you the effect of the bottle-neck design on combustion. Select a rifle that uses the .32-40 case and the other using the .32 Special case. Now load each case with the same amount of HiVel No. 2, same bullet as to weight and diameter, as twist is the same in both rifles, as well as groove diameter, these features balance.

If you will shoot both rifles after a fresh fall of snow you will note plenty of unburned powder grains lying on the snow in front of the muzzle of the .32-40 rifle, but none in front of the .32 Special. I will admit some of the loading companies did load the .32-40 case with about the same powder as was used in the .32 Special, but they were only kidding the shooting public. I made such a demonstration as mentioned above, one morning in a deer hunting camp in our Adirondacks, and, as we had lots of snow, soon proved my contention that the bottle-neck improved combustion.

When combustion is not complete, as when a charge is burned at below normal pressures, the residue that is sometimes left in barrel will cause rapid oxidation of the barrel steel. If you doubt this and care to experiment, burn charges of any powder at only 10,000 pounds below its tolerance, and very soon you will see streaks and rough spots appearing in the throat of your barrel. Don't try this in your pet barrel.

All of our modern powders have a range of pressures over which they burn uniformly, which range is called its tolerance. When you crowd the upper range of tolerance you get dangerous pressures. There is just as much trouble in store for you if you drop below its lower limit. Of course, not any trouble from pressure, but, take it from me, incomplete combustion can cause plenty of trouble.

There are plenty of loads used every day that do not burn completely, and still they give results. The reason for this is that these loads have a burning rate that is uniform from one case to another, and so are accurate. But, understand me, watch your barrel carefully when using below-normal loads, and clean it with water, afterwards.—H. A. DONALDSON.

Annealing. In the past several years I have read numerous articles, by gunsmiths, on how to anneal common, high-carbon steel. Invariably they advise using the slow method of burying the piece in lime after heating. Here is a faster method.

Heat steel to a cherry red, then place the heated piece on old nails, bolts or wire grate, old bake-oven grate is fine, so air can get to all sides. Let cool until the fire is out of the center. To test for this drop bits of paper, sawdust, chaff or fine straw, on the steel piece. The sawdust, etc., will glow when there is fire still in the steel. Repeat until tinder doesn't show any fire. Have a container of oil (old auto oil will do) heated, to somewhere between 200° and boiling point of oil, ready. Dip the steel in the oil to seal from the air, then let cool until cold, and it is ready to work, temper, or what have you. For huge pieces of steel, paint on the oil with brushes. This method will stand the government tuning-fork test.—M. C. C.



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THE MEMBERS EXCHANGE

This section provides a quick, inexpensive means for disposing of guns and accessories no longer needed, or for the purchase of more suitable similar items. We urgently request that a full description be given of every article offered, and its condition (see complete instructions above), for transactions of this sort must be based entirely on good faith and mutual satisfaction. Deliberate misrepresentation will of course result in immediate expulsion from N. R. A. membership.

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HENSOLDT 8X36 Motor Dials Binoculars. Excellent. \$37.50. Real Bargain. S. M. Ferrell, Box 562, El Paso, Texas. 8-38

K-22, excellent, \$25.00. Ace, perfect, \$35.00. Frank Christenson, 468 West State, Sharon, Pa. 8-38

FOR SALE: Colt 38 Cal. Officers Model, 7 1/2 inch barrel, very good, \$25.00. W. Roy Huston, Auburn, Maine. 8-38

LYMAN 10X Targetspot, excellent, \$40.00. National Match Springfield, new barrel and receiver, never fired, new O'Hare sight covers, \$40.00. National Match Springfield, \$20.00. N.R.A. 19 Savage, forearm and grip checked by Wright, 17A front, 4X Sears scope, Lyman bases, Rowley cheek piece, \$27.50. E. Anderson, 3330 Forest, Kansas City, Mo. 8-38

28-30 STEVENS Scheutzen, engraved, 44 1/2, 54 action, 28" No. 4 Peterson barrel, p.a.m. rest, high, cheek piece, scope blocks, powder measure, re & de capper, shell resizer, wad cutter, 40 shells fine condition \$46.00. F. Burian, R. #1, Valley Park, Mo. 8-38

Colt Dragoon Revolver. Several cased percussion Colts. Flintlocks. Cylinder rifle. James Serven, Sonoita, Arizona. 8-38

BARGAIN! Krag 22" barrel, Springfield front. Pacific rear, recoil pad, custom P.G. stock, \$20.00. Trade 3 new custom long bows. **WANT** Lyman Junior Targetspot or SA scope 1/4 or 1/2 click mounts, or what have you? Ray M. Bell, 500 E. Monroe, Springfield, Missouri. 8-38

WINCHESTER Super Grade 22 Hornet Rifle. Noske B2 Scope, case, 400 cartridges, perfect, cost \$178.00, sell for \$98.00. 4 1/2" Woodsman excellent, \$25.00. K-22, excellent, \$27.50. **WANT—** Springfield 22. Stephen Neville, Evanston, Wyoming. 8-38

.20 REMINGTON Pump, 31-A, 28" modified. \$45.50 grade, very good, \$25.00. .12 Savage Automatic, 30" full, oil stock, brand new, \$27.50. .30-30 Winchester, Lyman #21 receiver, very good, \$20.00. Krag Carbine, very good, \$15.00. No trades unless part cash. Karl Hansen, 79 Oakwood, Bogota, New Jersey. 8-38

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WINCHESTER 22, speed king, excellent in, very good out, \$19.00. H&R 10 inch U.S.R.A. Model 1938, perfect, \$19.00. Enfield, Stoeger stock, 29S Weaver, no other sights, excellent in, very good out, \$27.00. William Deis, R. #3, Adrian, Mich. 8-38

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30-06 ENFIELD Sporter, Sedgley ramp front. Redfield rear, deluxe stock, ebony tip, Whelen sling, O.D. swivels, excellent, \$45.00. Hi-Standard .22 L.R. Auto, inside perfect, outside good, \$12.00. Either gun shipped C.O.D., inspection allowed. Enzo Puricelli, 8 School St., Barre, Vermont. 8-38

MODEL 30 Express 25 Remington with Belding & Mull SX Taper Post Hunting Scope, Whelen sling, 40 rounds of ammunition, complete with Hartmann trunk, excellent, \$75.00. National Match Springfield with Lyman 48 in addition to service sight; very good \$30.00. Henry D. Block, 131 Orchard St., Elizabeth, N. J. 8-38

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CUSTOM built 257 Roberts. Mauser action. Beautiful job. Excellent. Details on request. \$75.00. R. Negley, San Antonio, Texas. 8-38

SEVERAL Colts Shooting Masters Cal. 38. Excellent condition. Price \$40.00. And Colts 45 Cal. National Match Automatics. Two extra magazines. Very good condition \$25.00. Cash only f.o.b. Austin. H. I. Church, 304 Vine St., Austin, Minn. 9-38

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COLT .22 Officers Model Target Revolver, recessed cylinder head, bought new six months ago. Excellent \$24.50. Ingals Fisher, Lyons Falls, N. Y. 8-38

WINCHESTER Model 70 Number 3902 Heavy Barrel, perfect, fired only few times, beautiful stock, has H&R 1918 sling with keeper, 48J Lyman, 17A ramp front. Front swivel adjustable to six positions. Scope blocks. \$70.00 with a Hartmann case free. Rifle cost \$107.00. Also sell Heiser tooled leather shoulder holster for O.M. \$1.50. Also Vauer Micro-meter Dial Rear sight with companion 36-FS Vauer front sight with four apertures, \$7.00. J. Logan, Jr., 6912 Constance Ave., Chicago, Ill. 8-38

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THE KENTUCKY RIFLE, Dillin. The book can be had direct from the author, autographed if desired. **J. G. W. Dillin, Media, Penna.** 8-38

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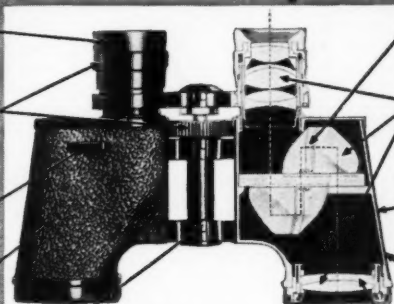
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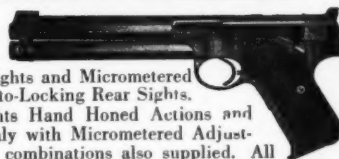
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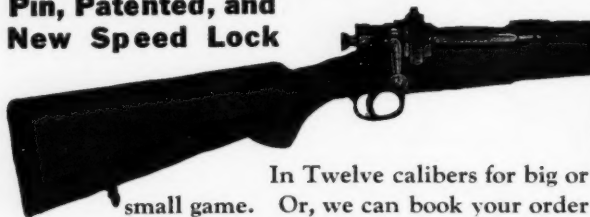
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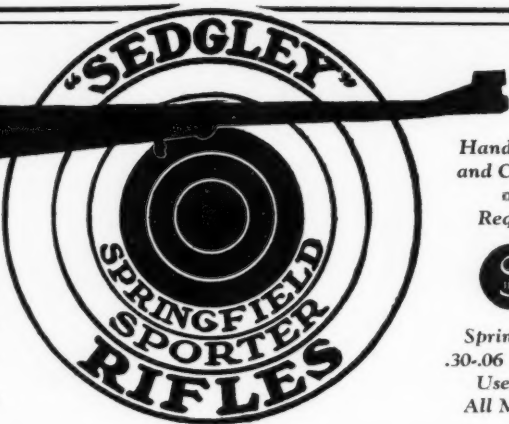
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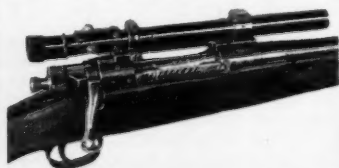
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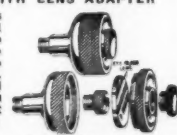
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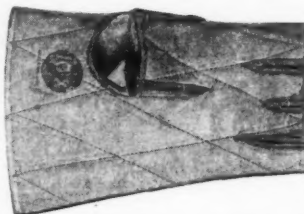


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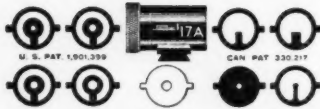
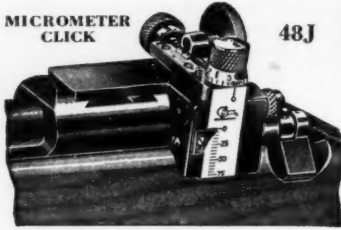
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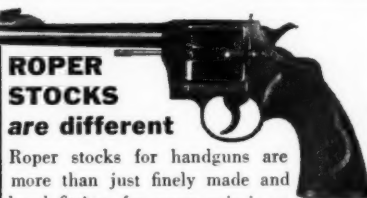
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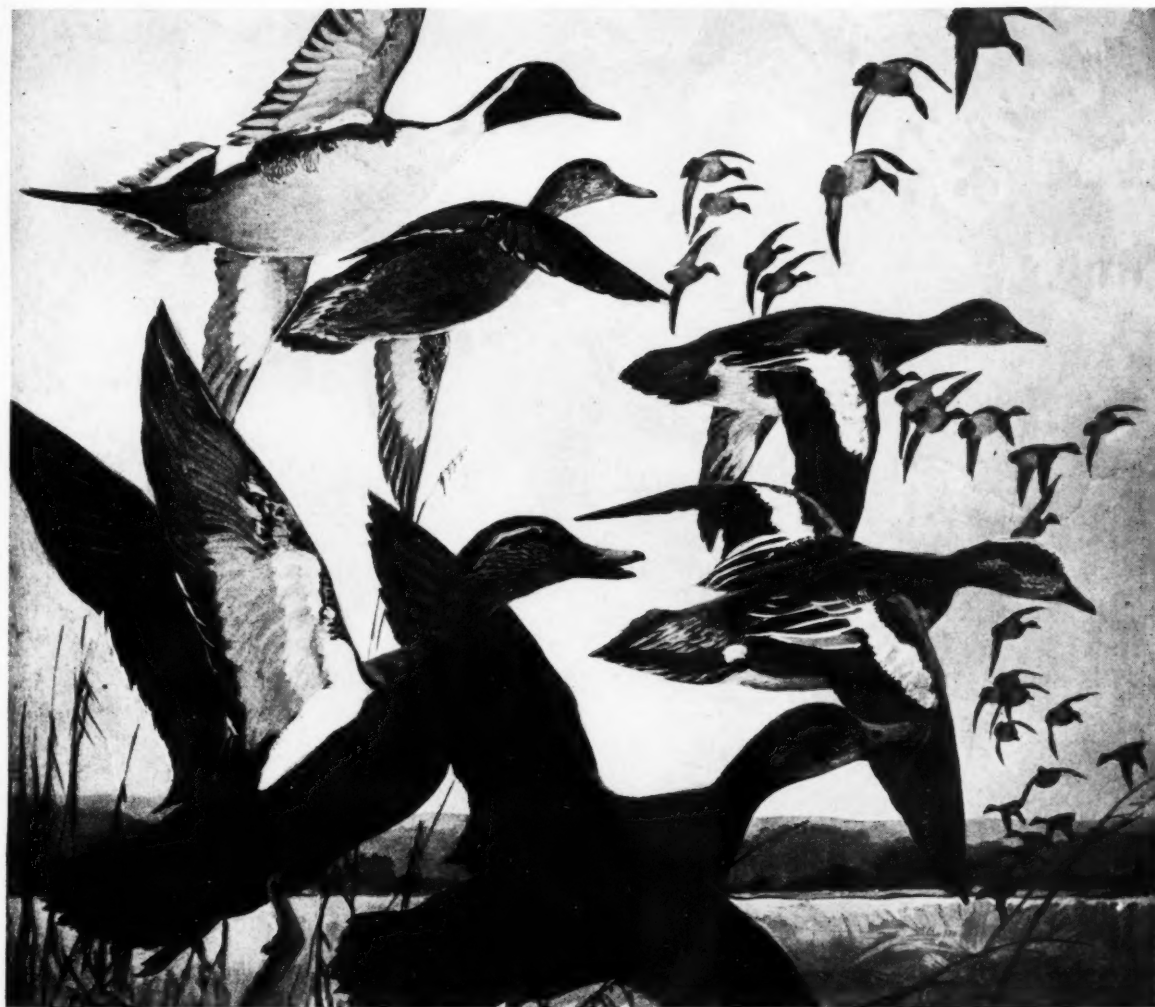
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Detroit Police Team. *Left to Right:* Sgt. Marvin E. Driver, Firearms Instructor and Team Captain; Lewis Sanderson, Maurice LaLonde, Alfred Hemming, Harry Reeves.

WITH Western .22's

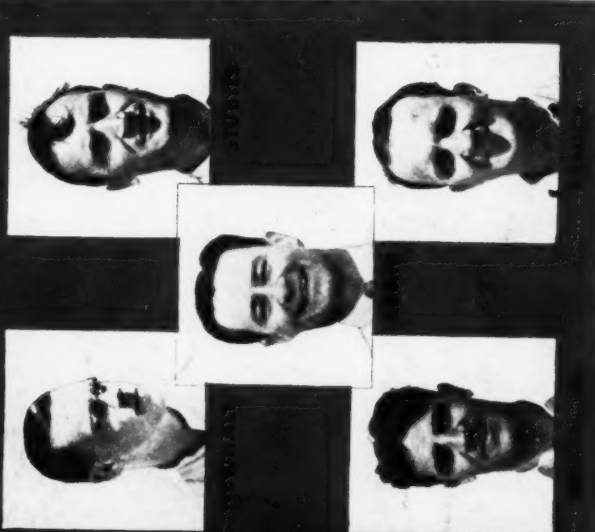


Missouri State Highway Patrol Pistol Team. *Left to Right:* Tr. F. D. Hagan, Tr. H. B. Brigham, Tr. H. E. Priess, Tr. O. L. Wallis

IN one of the most sensational performances in the history of handgun marksmanship, the Detroit Police Team No. 1 set a new World Record of 1153 over the National Match Course with WESTERN .22's at Detroit, June 12th. This remarkable score was made in winning the Walter O. Briggs .22-Caliber 4-Man Team event at the 1938 Michigan State Pistol Matches, June 11-12.

Individual scores for the three stages, 50-Yards Slow Fire, 25-Yards Timed Fire, and 25-Yards Rapid Fire, and individual totals, were, Hemming: 97, 99, 97—293; Sanderson: 93, 100, 99—292; Reeves: 92, 99, 96—287; LaLonde: 90, 98, 93—281. The team total of 1153 is 9 points above the record score of 1144 made by the St. Louis Police Team on May 14-15 at Jefferson City, Mo., and 33 points higher than the best previous score.

Sixteen of the 24 pistol matches at the U. S. Grant Memorial Matches, Rockford, Ill., June 10-11-12, were won with WESTERN. 64% of the place winners used WESTERN. The Missouri State Highway Patrol won the Center-Fire Team Match, National Match Course, score: 1096—and the Center-Fire Police Team Match, Camp Perry Course, score: 1091. (Two Illinois Highway Patrol teams placed second and third shooting WESTERN.) Tr. O. L. Wallis won the .22 Slow Fire, 50-Yards—score: 181. Tr. H. E. Priess, the .22 Rapid Fire—score: 191, and Tr. F. D. Hagan, the .22 National Course event—score: 289. All with SUPER-MATCH. Tr. H. B. Brigham won the Center-Fire Medalist, Camp Perry Course, score: 281, with WESTERN.



Oliver Yanick and Frank Stubbs of the St. Louis Police won eight matches with WESTERN. Yanick: the Center-Fire Individual Title, National Course: 286; .38-Caliber Medalist, Camp Perry Course: 294; Center-Fire Medalist, Any Pistol, Camp Perry Course: 289; and the Center-Fire Timed: 195. Stubbs: the Center-Fire Rapid: 190; Center-Fire, National Course: 283; Center-Fire, Camp Perry Course: 290; and the .45 Service Auto, National Course: 277.

Fred Willen, Jr., St. Louis, Mo., capturing the Center-Fire Restricted—score: 277. James Newhall, Phoenix, Arizona, won the .22 Timed with WESTERN—score: 188.

Norman Adair, Yuma, Ariz., three-time winner of the Arizona state title, won the Grand Aggregate at the July 3rd Southland Pistol Matches, San Diego, Cal., score: 839. All matches were over the National Course. Adair won the .45 Auto Match, score: 273—was second in the .22-Caliber Match, score: 288—and fourth in the .38-Caliber, score: 278. Rodney S. Pease, San Diego, won the .22-Caliber event with Western XPERT .22's, score: 288.... Write for free copy of the Western Ammunition Handbook.



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MATCH. Tr. H. B. Brigham won the Center-fire Medalist,
Camp Perry Course, score: 281, with WESTERN.

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